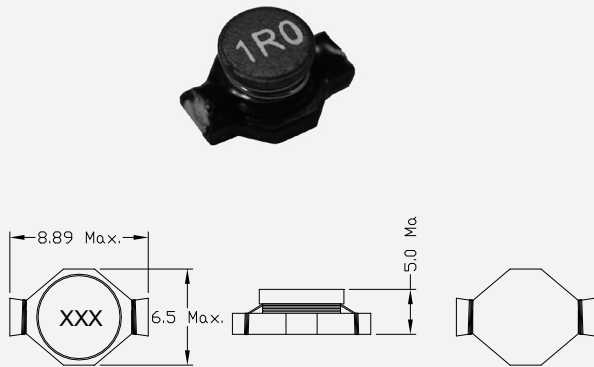


SMT Power Inductors

SDH1813



■ Size : 8.89x6.5x5.0 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

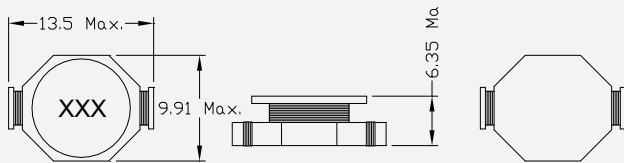
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) (Max.)	SRF(MHz) (Ref.)	Ordering code
0.18	±20%=M	0.1	14.0	10.0	0.003	800	SDH1813-R18M-LF
0.33		0.1	10.0	7.00	0.004	600	SDH1813-R33M-LF
0.56		0.1	7.70	6.00	0.010	200	SDH1813-R56M-LF
1.2		0.1	5.30	4.40	0.017	140	SDH1813-1R2M-LF
2.2		0.1	3.50	3.10	0.035	100	SDH1813-2R2M-LF
3.3		0.1	3.00	2.70	0.040	80	SDH1813-3R3M-LF
4.7		0.1	2.60	2.20	0.054	50	SDH1813-4R7M-LF
6.8		0.1	2.20	1.80	0.080	45	SDH1813-6R8M-LF
8.2		0.1	2.00	1.60	0.092	42	SDH1813-8R2M-LF
10		0.1	1.90	1.50	0.111	40	SDH1813-100M-LF
15		0.1	1.50	1.20	0.170	30	SDH1813-150M-LF
22		0.1	1.20	1.00	0.250	25	SDH1813-220M-LF
33		0.1	0.99	0.82	0.350	20	SDH1813-330M-LF
47		0.1	0.87	0.72	0.470	15	SDH1813-470M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : Average current for 40°C temperature rise from 25°C ambient.
- Operating temperature range -55°C to +125°C. Electrical specifications at 25°C.

SMT Power Inductors

SDH3316



■ Size : 13.5x9.91x6.35 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

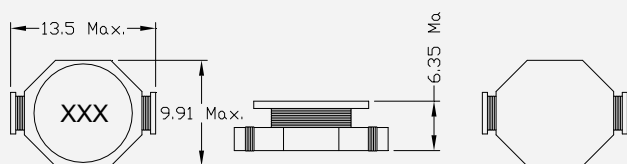
Delivery mode : Tape & reel packing

Packing unit : 750 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) (Max.)	SRF(MHz) (Ref.)	Ordering code
0.12	±20%=M	0.1	28.0	17.0	0.0015	300	SDH3316-R12M-LF
0.33		0.1	20.0	16.0	0.002	200	SDH3316-R33M-LF
0.68		0.1	13.0	12.0	0.005	200	SDH3316-R68M-LF
1.0		0.1	11.0	10.0	0.006	100	SDH3316-1R0M-LF
1.5		0.1	9.00	9.00	0.008	90	SDH3316-1R5M-LF
2.2		0.1	7.80	7.40	0.011	90	SDH3316-2R2M-LF
2.7		0.1	7.00	6.60	0.012	65	SDH3316-2R7M-LF
3.3		0.1	6.40	5.90	0.014	60	SDH3316-3R3M-LF
3.9		0.1	5.90	5.30	0.015	50	SDH3316-3R9M-LF
4.7		0.1	5.40	4.80	0.018	50	SDH3316-4R7M-LF
5.6		0.1	4.70	4.65	0.021	45	SDH3316-5R6M-LF
6.8		0.1	4.40	4.40	0.024	43	SDH3316-6R8M-LF
8.2		0.1	4.00	4.15	0.032	34	SDH3316-8R2M-LF
10		0.1	3.90	3.90	0.034	31	SDH3316-100M-LF
12		0.1	3.30	3.50	0.036	27	SDH3316-120M-LF
15		0.1	3.10	3.10	0.045	25	SDH3316-150M-LF
18		0.1	2.80	2.90	0.050	22	SDH3316-180M-LF
22		0.1	2.50	2.70	0.070	18	SDH3316-220M-LF
27		0.1	2.30	2.30	0.085	18	SDH3316-270M-LF
33		0.1	2.00	2.10	0.100	17	SDH3316-330M-LF
39		0.1	1.80	1.95	0.120	15	SDH3316-390M-LF
47		0.1	1.65	1.80	0.150	14	SDH3316-470M-LF
56		0.1	1.45	1.55	0.165	12	SDH3316-560M-LF
68		0.1	1.40	1.50	0.220	11	SDH3316-680M-LF
82		0.1	1.30	1.40	0.250	10	SDH3316-820M-LF
100		0.1	1.20	1.30	0.280	9	SDH3316-101M-LF
120		0.1	1.00	1.00	0.400	8	SDH3316-121M-LF
150		0.1	0.90	0.90	0.460	6	SDH3316-151M-LF
180		0.1	0.85	0.85	0.520	6	SDH3316-181M-LF
220		0.1	0.80	0.80	0.700	5	SDH3316-221M-LF

SMT Power Inductors

SDH3316



■ Size : 13.5x9.91x6.35 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μ H, coded)

Delivery mode : Tape & reel packing

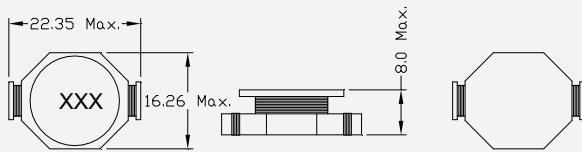
Packing unit : 750 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	IDC (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) (Max.)	SRF(MHz) (Ref.)	Ordering code
270	$\pm 20\% = M$	0.1	0.75	0.70	0.800	5	SDH3316-271M-LF
330		0.1	0.60	0.60	1.070	4.5	SDH3316-331M-LF
390		0.1	0.62	0.55	1.140	4.0	SDH3316-391M-LF
470		0.1	0.50	0.50	1.270	3.5	SDH3316-471M-LF

- Isat : DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +155°C, Electrical specifications at 25°C.

SMT Power Inductors

SDH5022



■ Size : 22.35x16.26x8.0(mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

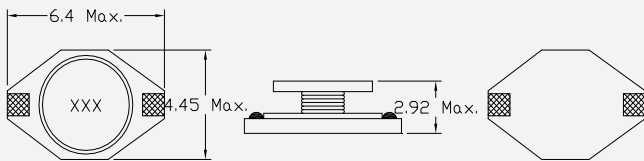
Packing unit : 250 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	SRF(MHz) (Ref.)	Ordering code
0.78	±20%=M	0.1	30	15	2.6	156	SDH5022-R78M-LF
1.5		0.1	25	15	4.0	100	SDH5022-1R5M-LF
2.2		0.1	20	12	6.1	75	SDH5022-2R2M-LF
3.3		0.1	17	10	8.6	60	SDH5022-3R3M-LF
3.9		0.1	15	9.0	10	55	SDH5022-3R9M-LF
4.7		0.1	13	8.4	14	40	SDH5022-4R7M-LF
6.0		0.1	12	7.5	17	35	SDH5022-6R0M-LF
7.8		0.1	11	7.5	18	35	SDH5022-7R8M-LF
10		0.1	10	6.0	26	28	SDH5022-100M-LF
12		0.1	8.5	4.4	28	26	SDH5022-120M-LF
15		0.1	8.0	4.4	32	20	SDH5022-150M-LF
22		0.1	7.0	3.5	47	20	SDH5022-220M-LF
33		0.1	5.5	3.0	66	15	SDH5022-330M-LF
47		0.1	4.5	2.6	86	9	SDH5022-470M-LF
68		0.1	3.5	2.3	130	8	SDH5022-680M-LF
100		0.1	3.0	1.8	190	7	SDH5022-101M-LF
150		0.1	2.6	1.5	250	6	SDH5022-151M-LF
220		0.1	2.4	1.2	380	5	SDH5022-221M-LF
330		0.1	1.9	1.0	560	4	SDH5022-331M-LF
470		0.1	1.4	0.82	850	3	SDH5022-471M-LF
680		0.1	1.2	0.72	1100	2.5	SDH5022-681M-LF
1000		0.1	1.0	0.56	1800	2	SDH5022-102M-LF

- Isat : DC current at which the inductance drops 10% (typ) from its value without current.
- I_{rms} : Average current for a 40°C rise above 25°C ambient.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SDO1608



■ Size : 6.4x4.45x2.92 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

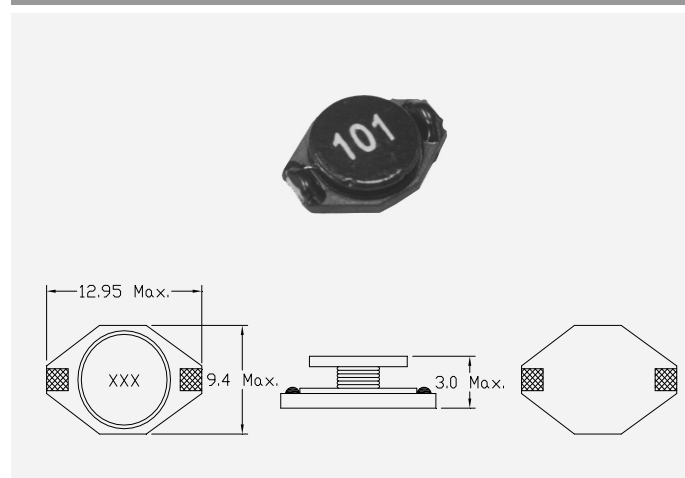
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) (Max.)	SRF(MHz) (Ref.)	Ordering code
1.0	±20%=M	0.1	2.90	2.90	0.05	130	SDO1608-1R0M-LF
1.5		0.1	2.60	2.80	0.05	115	SDO1608-1R5M-LF
2.2		0.1	2.30	2.40	0.07	90	SDO1608-2R2M-LF
2.7		0.1	2.10	2.10	0.08	75	SDO1608-2R7M-LF
3.3		0.1	2.00	2.00	0.08	70	SDO1608-3R3M-LF
4.7		0.1	1.50	1.50	0.09	50	SDO1608-4R7M-LF
6.8		0.1	1.20	1.40	0.13	45	SDO1608-6R8M-LF
8.2		0.1	1.15	1.30	0.16	40	SDO1608-8R2M-LF
10		0.1	1.10	1.20	0.16	35	SDO1608-100M-LF
15		0.1	0.90	1.10	0.23	30	SDO1608-150M-LF
22		0.1	0.70	0.80	0.37	20	SDO1608-220M-LF
33		0.1	0.58	0.60	0.51	15	SDO1608-330M-LF
47		0.1	0.50	0.50	0.64	14	SDO1608-470M-LF
68		0.1	0.40	0.40	0.86	11	SDO1608-680M-LF
100		0.1	0.31	0.30	1.27	9	SDO1608-101M-LF
150		0.1	0.27	0.25	2.00	6	SDO1608-151M-LF
220		0.1	0.22	0.20	2.65	5.5	SDO1608-221M-LF
330		0.1	0.18	0.16	3.80	5	SDO1608-331M-LF
470		0.1	0.16	0.15	5.06	4	SDO1608-471M-LF
680		0.1	0.14	0.12	9.20	3	SDO1608-681M-LF
1000		0.1	0.10	0.07	13.80	2	SDO1608-102M-LF

- I_{sat} : DC current at which the inductance drops 10% (typ) from its value without current.
- I_{rms} : Average current for 40°C temperature rise from 25°C ambient.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SDO3308



■ Size : 12.95x9.4x3.0 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

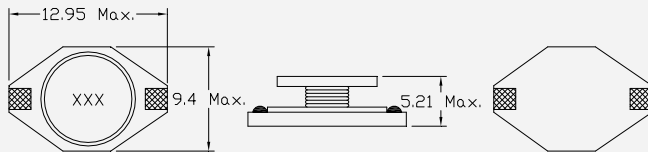
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) (Max.)	SRF(MHz) (Ref.)	Ordering code
4.7	±20%=M	0.1	4.2	3.2	0.036	50	SDO3308-4R7M-LF
6.8		0.1	3.9	2.6	0.060	47	SDO3308-6R8M-LF
10		0.1	2.7	2.3	0.085	37	SDO3308-100M-LF
15		0.1	2.3	1.9	0.12	35	SDO3308-150M-LF
22		0.1	1.8	1.5	0.18	26	SDO3308-220M-LF
33		0.1	1.6	1.2	0.25	19	SDO3308-330M-LF
47		0.1	1.3	1.0	0.32	14	SDO3308-470M-LF
68		0.1	1.1	0.90	0.54	12	SDO3308-680M-LF
100		0.1	0.87	0.73	0.69	11	SDO3308-101M-LF
150		0.1	0.74	0.62	0.94	9.0	SDO3308-151M-LF
220		0.1	0.56	0.51	1.60	6.0	SDO3308-221M-LF
330		0.1	0.50	0.40	2.15	5.5	SDO3308-331M-LF
470		0.1	0.40	0.33	3.30	4.5	SDO3308-471M-LF
680		0.1	0.33	0.28	4.40	3.5	SDO3308-681M-LF
1000		0.1	0.29	0.23	7.00	2.5	SDO3308-102M-LF

- DCR limits at 25°C.
- Isat : DC current at which the inductance drops 10% (typ) from its value without current.
- I_{rms} : Average current for 40°C temperature rise from 25°C ambient.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SDO3316



■ Size : 12.95x9.4x5.21 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

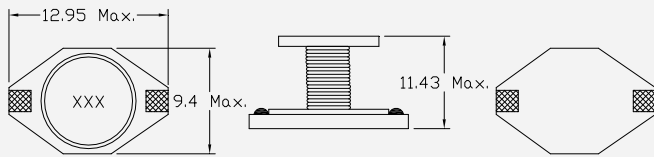
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) (Max.)	SRF(MHz) (Ref.)	Ordering code
1.0	±20%=M	0.1	9.00	6.80	0.009	100	SDO3316-1R0M-LF
1.5		0.1	8.00	6.40	0.010	90	SDO3316-1R5M-LF
2.2		0.1	7.00	6.10	0.012	80	SDO3316-2R2M-LF
3.3		0.1	6.40	5.40	0.015	65	SDO3316-3R3M-LF
4.7		0.1	5.40	4.80	0.018	45	SDO3316-4R7M-LF
6.8		0.1	4.60	4.40	0.027	38	SDO3316-6R8M-LF
10		0.1	3.80	3.90	0.038	30	SDO3316-100M-LF
15		0.1	3.00	3.10	0.046	27	SDO3316-150M-LF
22		0.1	2.60	2.70	0.085	19	SDO3316-220M-LF
33		0.1	2.00	2.10	0.100	15	SDO3316-330M-LF
47		0.1	1.60	1.80	0.140	12	SDO3316-470M-LF
68		0.1	1.40	1.50	0.200	10	SDO3316-680M-LF
100		0.1	1.20	1.30	0.280	9	SDO3316-101M-LF
150		0.1	1.00	1.00	0.400	6	SDO3316-151M-LF
220		0.1	0.80	0.80	0.610	5	SDO3316-221M-LF
330		0.1	0.60	0.60	1.020	4.5	SDO3316-331M-LF
470		0.1	0.50	0.50	1.270	3.5	SDO3316-471M-LF
680		0.1	0.40	0.40	2.020	2.5	SDO3316-681M-LF
1000		0.1	0.30	0.30	3.000	2.0	SDO3316-102M-LF
1500		0.1	0.29	0.27	4.490	1.7	SDO3316-152M-LF
3300		0.1	0.19	0.17	8.970	1.1	SDO3316-332M-LF

- DCR limits at 25°C.
- Isat : DC current at which the inductance drops 10% (typ) from its value without current.
- I_{rms} : Average current for 40°C temperature rise from 25°C ambient.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SDO3340



■ Size : 12.95x9.4x11.43 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

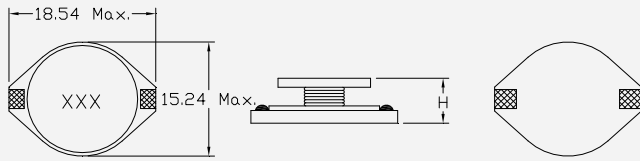
Packing unit : 225 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) (Max.)	SRF(MHz) (Ref.)	Ordering code
10	±20%=M	0.1	8.00	3.50	0.040	35	SDO3340-100M-LF
15		0.1	7.00	3.00	0.050	18	SDO3340-150M-LF
22		0.1	5.50	2.50	0.066	13	SDO3340-220M-LF
33		0.1	4.00	2.00	0.080	11	SDO3340-330M-LF
47		0.1	3.80	1.60	0.110	9	SDO3340-470M-LF
68		0.1	3.00	1.20	0.170	7	SDO3340-680M-LF
100		0.1	2.50	1.20	0.220	5.5	SDO3340-101M-LF
150		0.1	2.00	0.90	0.340	4.5	SDO3340-151M-LF
220		0.1	1.60	0.70	0.440	3.5	SDO3340-221M-LF
330		0.1	1.20	0.60	0.700	3.0	SDO3340-331M-LF
470		0.1	1.00	0.30	0.950	2.5	SDO3340-471M-LF
680		0.1	1.00	0.20	1.200	2.0	SDO3340-681M-LF
1000		0.1	0.80	0.10	2.000	1.5	SDO3340-102M-LF

- DCR limits at 25°C.
- Isat : DC current at which the inductance drops 10% (typ) from its value without current.
- I_{rms} : Average current for 40°C temperature rise from 25°C ambient.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SDO5010



■ Size : 18.54x15.24xH (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

Packing unit : 250 pcs/reel

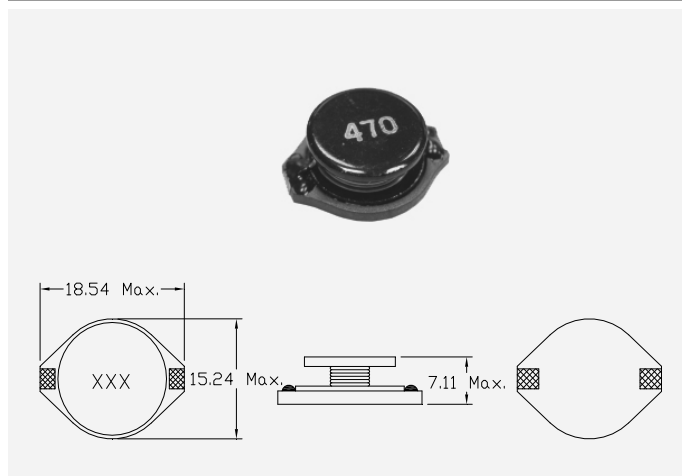
INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR(mΩ) (Max.)	SRF(MHz) (Ref.)	Ordering code
0.78	±20%=M	0.1	30	15	2.6	156	SDO5010A-R78M-LF
1.5		0.1	25	15	4.0	100	SDO5010A-1R5M-LF
2.2		0.1	20	12	6.1	75	SDO5010A-2R2M-LF
3.3		0.1	17	10	8.6	60	SDO5010A-3R3M-LF
3.9		0.1	15	9.0	10	55	SDO5010A-3R9M-LF
4.7		0.1	13	8.4	14	40	SDO5010A-4R7M-LF
6.0		0.1	12	7.5	17	35	SDO5010A-6R0M-LF
7.8		0.1	11	7.5	18	35	SDO5010A-7R8M-LF
10		0.1	10	6.0	26	28	SDO5010A-100M-LF
12		0.1	8.5	4.4	28	26	SDO5010A-120M-LF
15		0.1	8.0	4.4	32	20	SDO5010A-150M-LF
22		0.1	7.0	3.5	47	20	SDO5010B-220M-LF
33		0.1	5.5	3.0	66	15	SDO5010B-330M-LF
47		0.1	4.5	2.6	86	9	SDO5010B-470M-LF
68		0.1	3.5	2.3	130	8	SDO5010B-680M-LF
100		0.1	3.0	1.8	190	7	SDO5010C-101M-LF
150		0.1	2.6	1.5	250	6	SDO5010C-151M-LF
220		0.1	2.4	1.2	380	5	SDO5010C-221M-LF
330		0.1	1.9	1.0	560	4	SDO5010C-331M-LF
470		0.1	1.4	0.82	850	3	SDO5010C-471M-LF
680		0.1	1.2	0.72	1100	2.5	SDO5010C-681M-LF
1000		0.1	1.0	0.56	1800	2	SDO5010C-102M-LF

- I_{sat} : DC current at which the inductance drops 10% (typ) from its value without current.
- I_{rms} : Average current for a 40°C rise above 25°C ambient.
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C

Series	H	Series	H	Series	H
SDO5010A	8.0mm Max.	SDO5010B	7.62mm Max.	SDO5010C	7.11mm Max.

SMT Power Inductors

SDO5022



■ Size : 18.54x15.24x7.11 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

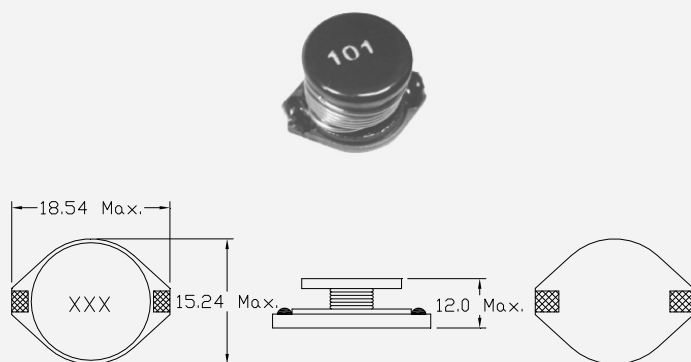
Packing unit : 250 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) (Max.)	SRF(MHz) (Ref.)	Ordering code
1.0	±20%=M	0.1	20.0	8.6	0.009	80	SDO5022-1R0M-LF
2.2		0.1	16.0	7.1	0.014	80	SDO5022-2R2M-LF
3.3		0.1	14.0	6.2	0.018	60	SDO5022-3R3M-LF
5.6		0.1	12.0	5.3	0.020	40	SDO5022-5R6M-LF
8.2		0.1	10.0	4.8	0.029	30	SDO5022-8R2M-LF
10		0.1	10.0	4.3	0.031	30	SDO5022-100M-LF
15		0.1	8.0	4.0	0.036	22	SDO5022-150M-LF
22		0.1	7.0	3.5	0.047	20	SDO5022-220M-LF
33		0.1	5.5	3.0	0.066	15	SDO5022-330M-LF
47		0.1	4.5	2.6	0.086	9	SDO5022-470M-LF
68		0.1	3.5	2.3	0.13	8	SDO5022-680M-LF
100		0.1	3.0	1.8	0.19	7	SDO5022-101M-LF
150		0.1	2.6	1.5	0.25	6	SDO5022-151M-LF
220		0.1	2.4	1.2	0.38	5	SDO5022-221M-LF
330		0.1	1.9	1.0	0.56	4	SDO5022-331M-LF
470		0.1	1.4	0.82	0.85	3	SDO5022-471M-LF
680		0.1	1.2	0.72	1.10	2.5	SDO5022-681M-LF
1000		0.1	1.0	0.56	1.80	2.0	SDO5022-102M-LF

- Isat : DC current at which the inductance drops 10% (typ) from its value without current.
- I_{rms} : Average current for a 40°C rise above 25°C ambient.
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C.

SMT Power Inductors

SDO5040



■ Size : 18.54x15.24x12 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

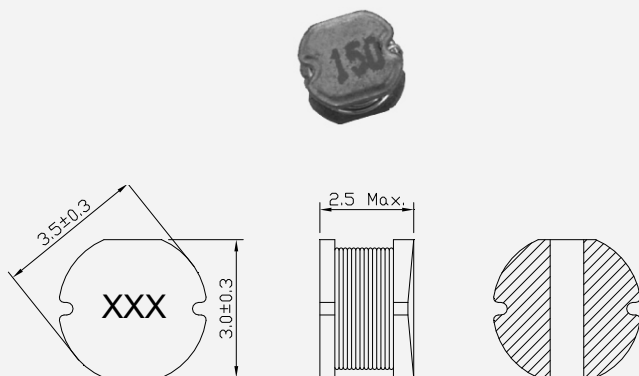
Packing unit : 160 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	SRF(MHz) (Ref.)	Ordering code
2.8	±20%=M	0.1	33.4	12.1	5.2	65	SDO5040-2R8M-LF
3.9		0.1	26.8	11.2	6.0	40	SDO5040-3R9M-LF
6.8		0.1	22.5	9.6	9.0	30	SDO5040-6R8M-LF
10		0.1	17.8	8.6	11	22	SDO5040-100M-LF
12		0.1	15.9	7.4	13	21	SDO5040-120M-LF
15		0.1	13.8	6.5	20	18	SDO5040-150M-LF
18		0.1	13.2	6.0	22	14	SDO5040-180M-LF
22		0.1	11.8	5.7	24	13	SDO5040-220M-LF
33		0.1	9.6	4.5	37	10	SDO5040-330M-LF
47		0.1	7.8	3.7	52	8.0	SDO5040-470M-LF
68		0.1	6.7	3.4	67	7.0	SDO5040-680M-LF
100		0.1	5.6	2.8	115	6.0	SDO5040-101M-LF
330		0.1	3.0	1.5	325	3.0	SDO5040-331M-LF
680		0.1	2.0	1.1	780	1.6	SDO5040-681M-LF
1400		0.1	1.5	0.7	1300	1.0	SDO5040-142M-LF

- Isat : DC current at which the inductance drops 10% (typ) from its value without current.
- I_{rms} : Average current for a 40°C rise above 25°C ambient.
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C.

SMT Power Inductors

SDR32



■ Size : 3.5x3.0x2.5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

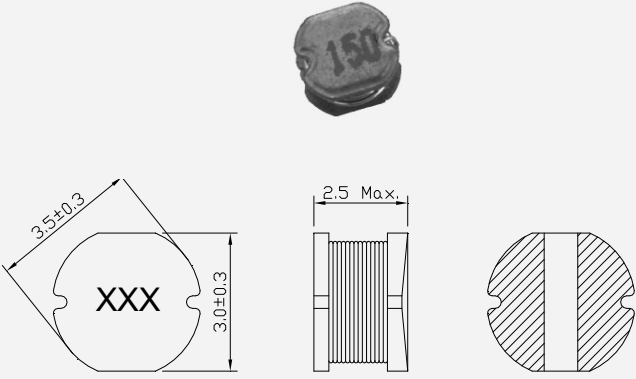
Delivery mode : Tape & reel packing

Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.0	±20%=M	0.1	2.08	0.07	SDR32-1R0M-LF
1.4		0.1	1.86	0.09	SDR32-1R4M-LF
1.8		0.1	1.80	0.11	SDR32-1R8M-LF
2.2		0.1	1.39	0.13	SDR32-2R2M-LF
2.7		0.1	1.32	0.14	SDR32-2R7M-LF
3.3		0.1	1.25	0.20	SDR32-3R3M-LF
3.9		0.1	1.20	0.21	SDR32-3R9M-LF
4.7		0.1	1.03	0.33	SDR32-4R7M-LF
5.6		0.1	0.91	0.35	SDR32-5R6M-LF
6.8		0.1	0.85	0.38	SDR32-6R8M-LF
8.2		0.1	0.82	0.43	SDR32-8R2M-LF
10		0.1	0.74	0.50	SDR32-100M-LF
12		0.1	0.64	0.65	SDR32-120M-LF
15		0.1	0.60	0.82	SDR32-150M-LF
18		0.1	0.54	0.90	SDR32-180M-LF
22		0.1	0.50	1.14	SDR32-220M-LF
27		0.1	0.43	1.39	SDR32-270M-LF
33	±10%=K	0.1	0.40	1.55	SDR32-330K-LF
39		0.1	0.37	2.15	SDR32-390K-LF
47		0.1	0.36	2.44	SDR32-470K-LF
56		0.1	0.31	2.68	SDR32-560K-LF
68		0.1	0.30	3.05	SDR32-680K-LF
82		0.1	0.28	3.48	SDR32-820K-LF
100		0.1	0.22	4.10	SDR32-101K-LF
120		0.1	0.20	4.89	SDR32-121K-LF
150		0.1	0.17	6.08	SDR32-151K-LF
180		0.1	0.15	7.26	SDR32-181K-LF
220		0.1	0.11	8.83	SDR32-221K-LF
270		0.1	0.074	10.8	SDR32-271K-LF
330		0.1	0.065	13.0	SDR32-331K-LF

SMT Power Inductors

SDR32



The image shows three views of the SDR32 SMT Power Inductor. Top view: A square component with rounded corners, labeled 'XXX', with dimensions 3.5±0.3 mm (width) and 3.0±0.3 mm (height). Side view: A rectangular component with a height of 2.5 Max. mm. End view: A circular component with a diameter of 3.5 mm. A photograph of the component shows the value '150' printed on its top surface.

- Size :3.5x3.0x2.5 (mm)
- Core material : Ferrite
- RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

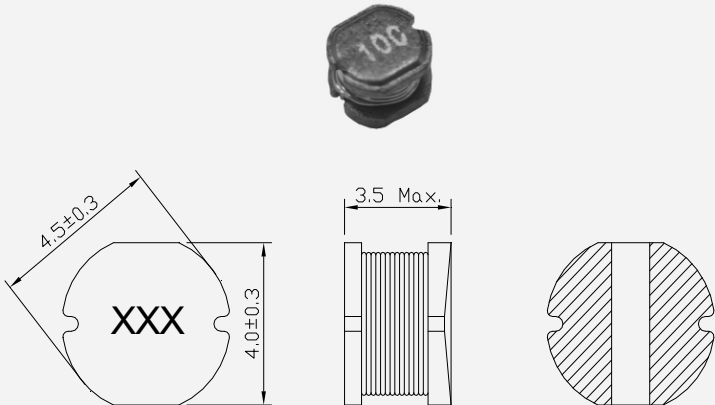
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
390	±10%=K	0.1	0.060	15.2	SDR32-391K-LF
470		0.1	0.045	17.5	SDR32-471K-LF
560		0.1	0.030	22.5	SDR32-561K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40℃ to +125℃, Electrical specifications at 25℃.

SMT Power Inductors

SDR43



- Size : 4.5x4.0x3.5 (mm)
- Core material : Ferrite
- RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

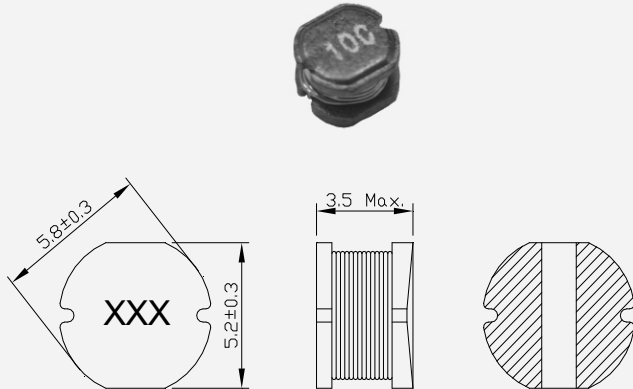
Packing unit : 1500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.0	±20%=M	0.1	3.80	0.033	SDR43-1R0M-LF
1.4		0.1	3.30	0.038	SDR43-1R4M-LF
1.8		0.1	2.91	0.042	SDR43-1R8M-LF
2.2		0.1	2.60	0.047	SDR43-2R2M-LF
2.7		0.1	2.43	0.052	SDR43-2R7M-LF
3.3		0.1	2.15	0.058	SDR43-3R3M-LF
3.9		0.1	1.98	0.076	SDR43-3R9M-LF
4.7		0.1	1.70	0.094	SDR43-4R7M-LF
5.6		0.1	1.60	0.101	SDR43-5R6M-LF
6.8		0.1	1.41	0.117	SDR43-6R8M-LF
8.2		0.1	1.26	0.132	SDR43-8R2M-LF
10		0.1	1.15	0.182	SDR43-100M-LF
12		0.1	1.05	0.210	SDR43-120M-LF
15		0.1	0.92	0.235	SDR43-150M-LF
18		0.1	0.84	0.338	SDR43-180M-LF
22		0.1	0.76	0.378	SDR43-220M-LF
27		0.1	0.71	0.522	SDR43-270M-LF
33	±10%=K	0.1	0.64	0.540	SDR43-330K-LF
39		0.1	0.59	0.587	SDR43-390K-LF
47		0.1	0.54	0.844	SDR43-470K-LF
56		0.1	0.50	0.937	SDR43-560K-LF
68		0.1	0.46	1.117	SDR43-680K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDR53



■ Size : 5.8x5.2x3.5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

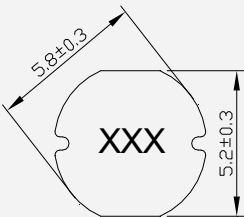
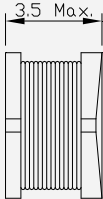
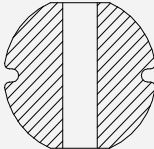
Delivery mode : Tape & reel packing

Packing unit : 1500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.0	±20%=M	0.1	4.50	0.03	SDR53-1R0M-LF
1.2		0.1	4.20	0.03	SDR53-1R2M-LF
1.5		0.1	4.10	0.03	SDR53-1R5M-LF
1.8		0.1	3.70	0.03	SDR53-1R8M-LF
2.2		0.1	3.50	0.03	SDR53-2R2M-LF
2.7		0.1	3.20	0.04	SDR53-2R7M-LF
3.3		0.1	2.80	0.05	SDR53-3R3M-LF
3.9		0.1	2.60	0.06	SDR53-3R9M-LF
4.7		0.1	2.50	0.07	SDR53-4R7M-LF
5.6		0.1	2.40	0.08	SDR53-5R6M-LF
6.8		0.1	2.20	0.09	SDR53-6R8M-LF
8.2		0.1	2.00	0.10	SDR53-8R2M-LF
10		0.1	1.80	0.12	SDR53-100M-LF
12		0.1	1.75	0.13	SDR53-120M-LF
15		0.1	1.70	0.15	SDR53-150M-LF
18		0.1	1.60	0.18	SDR53-180M-LF
22		0.1	1.50	0.22	SDR53-220M-LF
27		0.1	1.40	0.24	SDR53-270M-LF
33	±15%=L	0.1	1.10	0.30	SDR53-330L-LF
39		0.1	1.00	0.40	SDR53-390L-LF
47		0.1	0.90	0.43	SDR53-470L-LF
56	±10%=K	0.1	0.85	0.50	SDR53-560K-LF
68		0.1	0.80	0.60	SDR53-680K-LF
82		0.1	0.65	0.80	SDR53-820K-LF
100		0.001	0.60	0.90	SDR53-101K-LF
120		0.001	0.58	1.00	SDR53-121K-LF
150		0.001	0.43	1.30	SDR53-151K-LF
180		0.001	0.41	1.50	SDR53-181K-LF
220		0.001	0.38	2.00	SDR53-221K-LF
270		0.001	0.35	2.50	SDR53-271K-LF

SMT Power Inductors

SDR53

- Size : 5.8x5.2x3.5 (mm)
- Core material : Ferrite
- RoHS-compatible

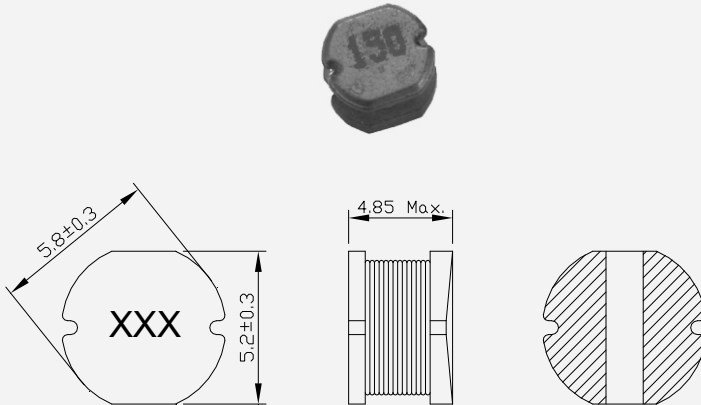
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 1500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
330	±10%=K	0.001	0.28	3.20	SDR53-331K-LF
390		0.001	0.26	3.50	SDR53-391K-LF
470		0.001	0.20	4.20	SDR53-471K-LF
560		0.001	0.19	4.50	SDR53-561K-LF
680		0.001	0.18	6.00	SDR53-681K-LF
820		0.001	0.15	6.50	SDR53-821K-LF
1000		0.001	0.13	8.00	SDR53-102K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40℃ to +125℃.Electrical specifications at 25℃.

SMT Power Inductors

SDR54



■ Size : 5.8x5.2x4.85 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

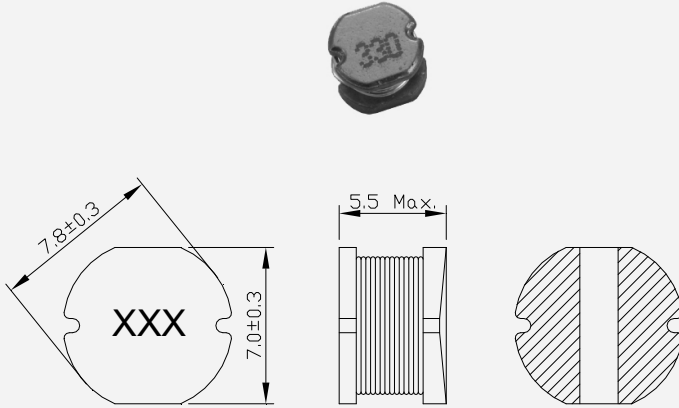
Packing unit : 1500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±20%=M	0.1	1.44	0.10	SDR54-100M-LF
12		0.1	1.40	0.12	SDR54-120M-LF
15		0.1	1.30	0.14	SDR54-150M-LF
18		0.1	1.23	0.15	SDR54-180M-LF
22		0.1	1.11	0.18	SDR54-220M-LF
27		0.1	0.97	0.20	SDR54-270M-LF
33	±15%=L	0.1	0.88	0.23	SDR54-330L-LF
39		0.1	0.80	0.32	SDR54-390L-LF
47		0.1	0.72	0.37	SDR54-470L-LF
56	±10%=K	0.1	0.68	0.42	SDR54-560K-LF
68		0.1	0.61	0.46	SDR54-680K-LF
82		0.1	0.58	0.60	SDR54-820K-LF
100		0.001	0.52	0.70	SDR54-101K-LF
120		0.001	0.48	0.93	SDR54-121K-LF
150		0.001	0.40	1.10	SDR54-151K-LF
180		0.001	0.38	1.38	SDR54-181K-LF
220		0.001	0.35	1.57	SDR54-221K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C
- Electrical specifications at 25°C.

SMT Power Inductors

SDR75



■ Size : 7.8x7.0x5.5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

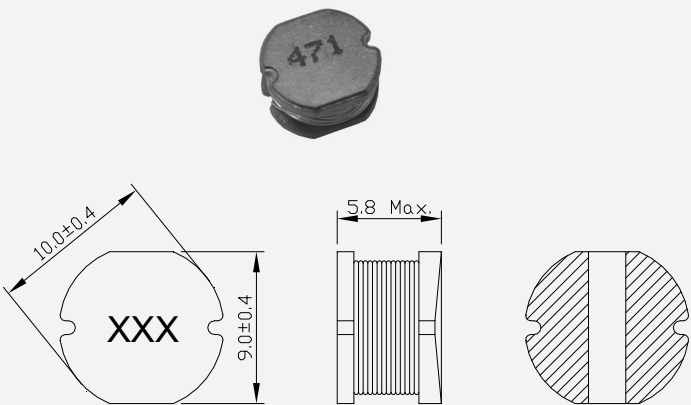
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±20%=M	0.1	2.30	0.07	SDR75-100M-LF
12		0.1	2.00	0.08	SDR75-120M-LF
15		0.1	1.80	0.09	SDR75-150M-LF
18		0.1	1.60	0.10	SDR75-180M-LF
22		0.1	1.50	0.11	SDR75-220M-LF
27		0.1	1.30	0.12	SDR75-270M-LF
33	±10%=K	0.1	1.20	0.13	SDR75-330K-LF
39		0.1	1.10	0.16	SDR75-390K-LF
47		0.1	1.10	0.18	SDR75-470K-LF
56		0.1	0.94	0.24	SDR75-560K-LF
68		0.1	0.85	0.28	SDR75-680K-LF
82		0.1	0.78	0.37	SDR75-820K-LF
100		0.001	0.72	0.43	SDR75-101K-LF
120		0.001	0.66	0.47	SDR75-121K-LF
150		0.001	0.58	0.64	SDR75-151K-LF
180		0.001	0.51	0.71	SDR75-181K-LF
220		0.001	0.49	0.96	SDR75-221K-LF
270		0.001	0.42	1.11	SDR75-271K-LF
330		0.001	0.40	1.26	SDR75-331K-LF
390		0.001	0.36	1.77	SDR75-391K-LF
470		0.001	0.34	1.96	SDR75-471K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SDR105



- Size : 10.0x9.0x5.8 (mm)
- Core material : Ferrite
- RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

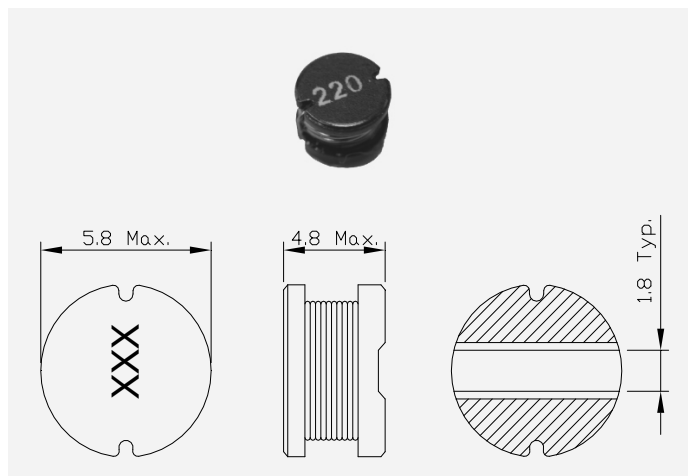
Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±20%=M	0.1	2.60	0.06	SDR105-100M-LF
12		0.1	2.45	0.07	SDR105-120M-LF
15		0.1	2.27	0.08	SDR105-150M-LF
18		0.1	2.15	0.09	SDR105-180M-LF
22		0.1	1.95	0.10	SDR105-220M-LF
27		0.1	1.76	0.11	SDR105-270M-LF
33		0.1	1.50	0.14	SDR105-330M-LF
39		0.1	1.37	0.17	SDR105-390M-LF
47	±10%=K	0.1	1.28	0.25	SDR105-470K-LF
56		0.1	1.17	0.19	SDR105-560K-LF
68		0.1	1.11	0.22	SDR105-680K-LF
82		0.1	1.00	0.25	SDR105-820K-LF
100		0.001	0.97	0.35	SDR105-101K-LF
120		0.001	0.89	0.40	SDR105-121K-LF
150		0.001	0.78	0.47	SDR105-151K-LF
180		0.001	0.72	0.63	SDR105-181K-LF
220		0.001	0.66	0.73	SDR105-221K-LF
270		0.001	0.57	0.97	SDR105-271K-LF
330		0.001	0.52	1.15	SDR105-331K-LF
390		0.001	0.48	1.30	SDR105-391K-LF
470		0.001	0.42	1.48	SDR105-471K-LF
560		0.001	0.33	1.90	SDR105-561K-LF
680		0.001	0.28	2.25	SDR105-681K-LF
820		0.001	0.24	2.55	SDR105-821K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SDR0504K



■ Size : 5.8x4.8 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

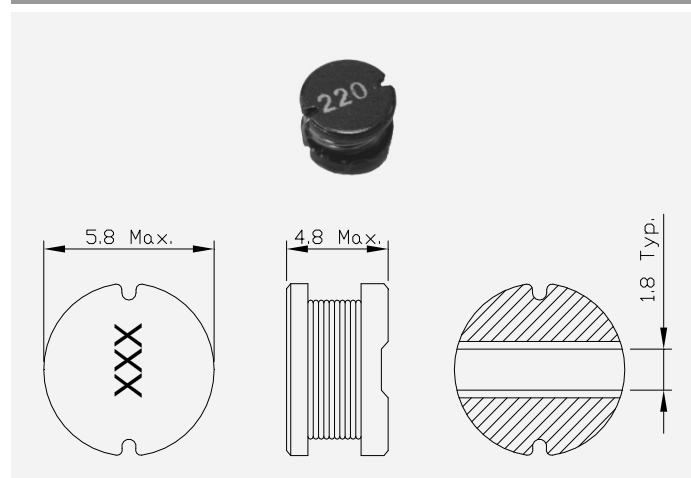
Delivery mode : Tape & reel packing

Packing unit : 1500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Q (Ref.)	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.2	±20%=M	7.96	35	4.20	0.02	SDR0504K-1R2M-LF
1.5		7.96	32	3.60	0.03	SDR0504K-1R5M-LF
2.2		7.96	33	2.80	0.06	SDR0504K-2R2M-LF
2.7		7.96	22	2.30	0.06	SDR0504K-2R7M-LF
3.3		7.96	22	2.00	0.07	SDR0504K-3R3M-LF
3.9		7.96	22	1.90	0.07	SDR0504K-3R9M-LF
4.7		7.96	22	1.80	0.08	SDR0504K-4R7M-LF
5.6		7.96	20	1.70	0.08	SDR0504K-5R6M-LF
6.8		7.96	20	1.60	0.12	SDR0504K-6R8M-LF
8.2		7.96	20	1.50	0.09	SDR0504K-8R2M-LF
10		2.52	20	1.45	0.10	SDR0504K-100M-LF
12		2.52	30	1.40	0.12	SDR0504K-120M-LF
15	±15%=L	2.52	30	1.30	0.14	SDR0504K-150L-LF
18		2.52	30	1.25	0.15	SDR0504K-180L-LF
22		2.52	30	1.10	0.19	SDR0504K-220L-LF
27		2.52	28	1.00	0.22	SDR0504K-270L-LF
33	±10%=K	2.52	24	0.88	0.25	SDR0504K-330K-LF
39		2.52	24	0.80	0.32	SDR0504K-390K-LF
47		2.52	22	0.72	0.37	SDR0504K-470K-LF
56		2.52	22	0.68	0.42	SDR0504K-560K-LF
68		2.52	22	0.62	0.52	SDR0504K-680K-LF
82		2.52	20	0.58	0.60	SDR0504K-820K-LF
100		0.796	20	0.52	0.70	SDR0504K-101K-LF
120		0.796	22	0.48	0.93	SDR0504K-121K-LF
150		0.796	20	0.40	1.10	SDR0504K-151K-LF
180		0.796	20	0.38	1.38	SDR0504K-181K-LF
220		0.796	20	0.35	1.57	SDR0504K-221K-LF
270		0.796	26	0.32	1.88	SDR0504K-271K-LF
330		0.796	25	0.27	2.25	SDR0504K-331K-LF
390		0.796	25	0.25	2.48	SDR0504K-391K-LF

SMT Power Inductors

SDR0504K



■ Size : 5.8x4.8 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

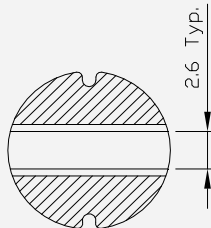
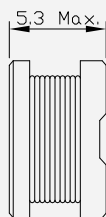
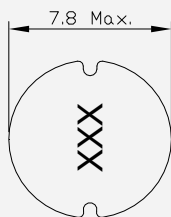
Packing unit : 1500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Q (Ref.)	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
470	±10%=K	0.796	25	0.21	3.30	SDR0504K-471K-LF
560		0.252	24	0.18	4.00	SDR0504K-561K-LF
680		0.252	26	0.16	4.65	SDR0504K-681K-LF
820		0.252	25	0.14	5.20	SDR0504K-821K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDR0705K



■ Size : 7.8x5.3 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Q (Ref.)	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.5	±20%=M	7.96	32	9.10	0.02	SDR0705K-1R5M-LF
2.5		7.96	32	7.20	0.02	SDR0705K-2R5M-LF
3.3		7.96	32	6.30	0.02	SDR0705K-3R3M-LF
3.9		7.96	32	5.70	0.02	SDR0705K-3R9M-LF
4.7		7.96	31	5.00	0.03	SDR0705K-4R7M-LF
5.6		7.96	31	4.60	0.04	SDR0705K-5R6M-LF
6.8		7.96	30	4.10	0.04	SDR0705K-6R8M-LF
7.5		7.96	29	3.70	0.05	SDR0705K-7R5M-LF
10		2.52	25	3.20	0.07	SDR0705K-100M-LF
12		2.52	25	3.00	0.08	SDR0705K-120M-LF
15		2.52	25	2.70	0.09	SDR0705K-150M-LF
18		2.52	20	2.60	0.10	SDR0705K-180M-LF
22		2.52	20	2.30	0.11	SDR0705K-220M-LF
27	±10%=K	2.52	20	2.10	0.12	SDR0705K-270K-LF
33		2.52	15	1.90	0.14	SDR0705K-330K-LF
39		2.52	15	1.70	0.16	SDR0705K-390K-LF
47		2.52	15	1.60	0.20	SDR0705K-470K-LF
56		2.52	15	1.50	0.24	SDR0705K-560K-LF
68		2.52	15	1.30	0.30	SDR0705K-680K-LF
82		2.52	12	1.20	0.37	SDR0705K-820K-LF
100		0.796	12	1.10	0.45	SDR0705K-101K-LF
120		0.796	12	1.00	0.48	SDR0705K-121K-LF
150		0.796	12	0.85	0.68	SDR0705K-151K-LF
180		0.796	12	0.80	0.77	SDR0705K-181K-LF
220		0.796	12	0.80	0.96	SDR0705K-221K-LF
270		0.796	12	0.66	1.11	SDR0705K-271K-LF
330		0.796	12	0.58	1.26	SDR0705K-331K-LF
390		0.796	12	0.55	1.77	SDR0705K-391K-LF
470		0.796	12	0.50	1.96	SDR0705K-471K-LF
560		0.796	30	0.46	2.50	SDR0705K-561K-LF

SMT Power Inductors

SDR0705K



■ Size : 7.8x5.3 (mm)

■ Core material : Ferrite

■ RoHS-compatible

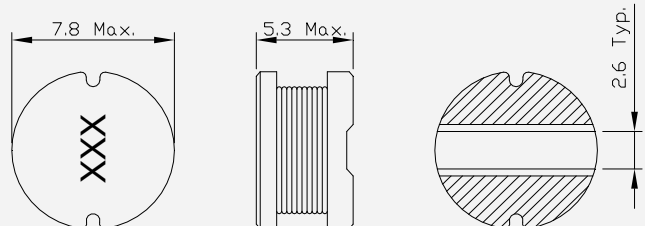
Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

Packing unit : 1000 pcs/reel

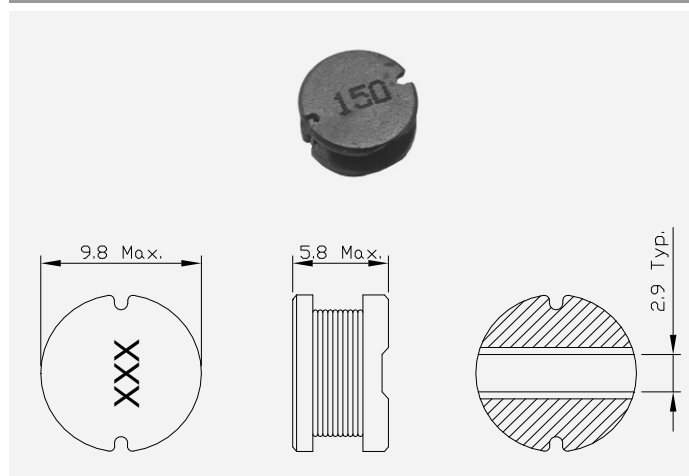


INDUCTANCE (μH)	Tolerance	f _L MHz	Q (Ref.)	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
680	±10%=K	0.796	29	0.42	2.80	SDR0705K-681K-LF
820		0.796	28	0.35	4.00	SDR0705K-821K-LF
1000		0.252	27	0.34	4.50	SDR0705K-102K-LF
1200		0.252	28	0.28	6.80	SDR0705K-122K-LF
1500		0.252	27	0.26	8.00	SDR0705K-152K-LF
1800		0.252	30	0.23	9.20	SDR0705K-182K-LF
2200		0.252	29	0.20	10.00	SDR0705K-222K-LF
2700		0.252	31	0.18	11.80	SDR0705K-272K-LF
3300		0.252	28	0.17	16.50	SDR0705K-332K-LF
3900		0.252	28	0.16	18.00	SDR0705K-392K-LF
4700		0.252	30	0.15	21.00	SDR0705K-472K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDR0905K



■ Size : 9.8x5.8 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

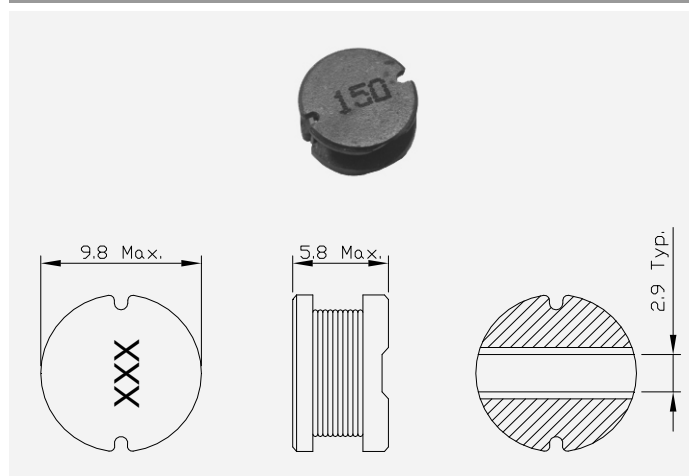
Delivery mode : Tape & reel packing

Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Q (Ref.)	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.5	±20%=M	7.96	35	10.00	0.018	SDR0905K-1R5M-LF
2.5		7.96	35	10.00	0.021	SDR0905K-2R2M-LF
3.3		7.96	34	10.00	0.024	SDR0905K-3R3M-LF
3.9		7.96	34	8.40	0.027	SDR0905K-3R9M-LF
4.7		7.96	33	7.30	0.036	SDR0905K-4R7M-LF
5.6		7.96	33	6.40	0.040	SDR0905K-5R6M-LF
6.8		7.96	33	5.90	0.044	SDR0905K-6R8M-LF
8.2		7.96	31	5.40	0.048	SDR0905K-8R2M-LF
10		2.52	30	5.10	0.060	SDR0905K-100M-LF
12		2.52	30	4.50	0.070	SDR0905K-120M-LF
15		2.52	30	4.00	0.080	SDR0905K-150M-LF
18		2.52	30	3.80	0.090	SDR0905K-180M-LF
22		2.52	25	3.50	0.100	SDR0905K-220M-LF
27	±10%=K	2.52	25	3.40	0.110	SDR0905K-270K-LF
33		2.52	25	2.90	0.120	SDR0905K-330K-LF
39		2.52	20	2.60	0.140	SDR0905K-390K-LF
47		2.52	20	2.30	0.170	SDR0905K-470K-LF
56		2.52	20	2.10	0.190	SDR0905K-560K-LF
68		2.52	15	2.00	0.220	SDR0905K-680K-LF
82		2.52	15	1.90	0.250	SDR0905K-820K-LF
100		0.796	15	0.97	0.35	SDR0905K-101K-LF
120		0.796	15	0.89	0.40	SDR0905K-121K-LF
150		0.796	15	0.78	0.47	SDR0905K-151K-LF
180		0.796	12	0.72	0.63	SDR0905K-181K-LF
220		0.796	12	0.66	0.73	SDR0905K-221K-LF
270		0.796	12	0.57	0.97	SDR0905K-271K-LF
330		0.796	12	0.52	1.15	SDR0905K-331K-LF
390		0.796	12	0.48	1.30	SDR0905K-391K-LF
470		0.796	12	0.42	1.48	SDR0905K-471K-LF
560		0.796	12	0.33	1.90	SDR0905K-561K-LF

SMT Power Inductors

SDR0905K



■ Size : 9.8x5.8 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

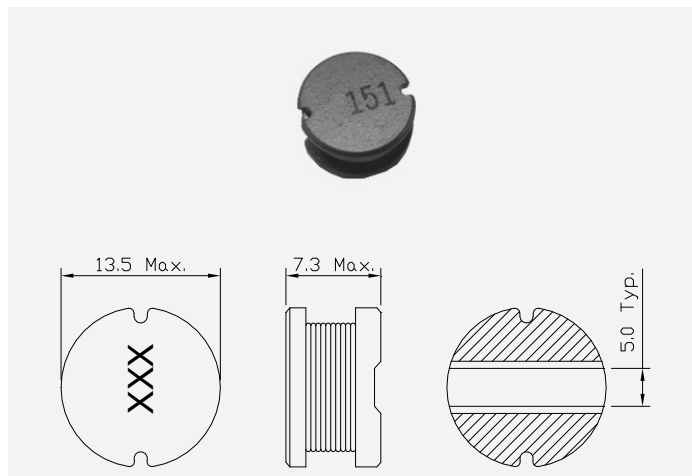
Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Q (Ref.)	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
680	±10%=K	0.796	12	0.28	2.25	SDR0905K-681K-LF
820		0.796	10	0.24	2.55	SDR0905K-821K-LF
1000		0.252	30	0.23	3.10	SDR0905K-102K-LF
1200		0.252	31	0.21	4.20	SDR0905K-122K-LF
1500		0.252	31	0.19	5.00	SDR0905K-152K-LF
1800		0.252	31	0.17	6.80	SDR0905K-182K-LF
2200		0.252	31	0.16	7.60	SDR0905K-222K-LF
2700		0.252	32	0.14	11.60	SDR0905K-272K-LF
3300		0.252	32	0.12	13.50	SDR0905K-332K-LF
3900		0.252	32	0.11	14.80	SDR0905K-392K-LF
4700		0.252	32	0.10	18.00	SDR0905K-472K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDR1307K



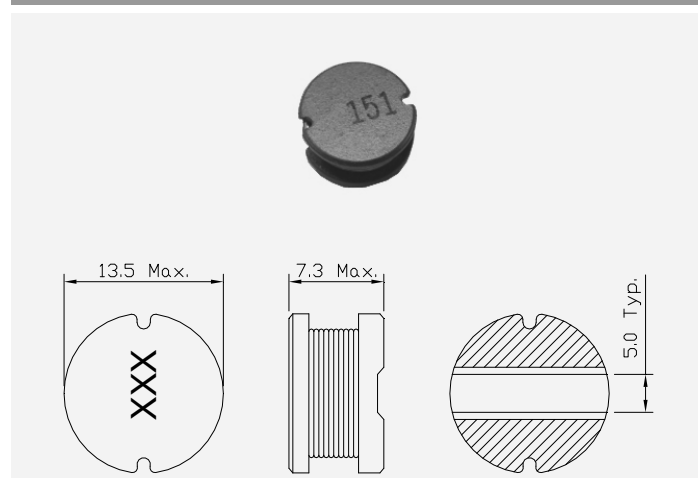
- Size : 13.5x7.3 (mm)
- Core material : Ferrite
- RoHS-compatible

Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 250 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Q (Ref.)	IDC (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
1.5	±20%=M	0.1	20	20.00	5.0	SDR1307K-1R5M-LF
2.2		0.1	22	18.00	6.0	SDR1307K-2R2M-LF
2.7		0.1	24	16.00	8.0	SDR1307K-2R7M-LF
3.3		0.1	26	15.00	8.7	SDR1307K-3R3M-LF
4.7		0.1	25	13.00	10.0	SDR1307K-4R7M-LF
5.6		0.1	24	11.00	15.0	SDR1307K-5R6M-LF
6.8		0.1	24	10.50	17.0	SDR1307K-6R8M-LF
8.2		0.1	24	9.80	19.0	SDR1307K-8R2M-LF
10		0.1	22	9.20	21.0	SDR1307K-100M-LF
12		0.1	25	8.00	30.0	SDR1307K-120M-LF
15		0.1	28	7.50	34.0	SDR1307K-150M-LF
18		0.1	28	7.00	36.0	SDR1307K-180M-LF
22		0.1	40	6.50	47.0	SDR1307K-220M-LF
27	±10%=K	0.1	35	5.50	60.0	SDR1307K-270K-LF
33		0.1	35	5.00	65.0	SDR1307K-330K-LF
39		0.1	28	4.60	75.0	SDR1307K-390K-LF
47		0.1	24	4.20	82.0	SDR1307K-470K-LF
56		0.1	22	3.80	100.0	SDR1307K-560K-LF
68		0.1	24	3.50	120.0	SDR1307K-680K-LF
82		0.1	18	3.20	140.0	SDR1307K-820K-LF
100		0.1	25	3.00	180.0	SDR1307K-101K-LF
120		0.1	20	2.80	210.0	SDR1307K-121K-LF
150		0.1	20	2.60	250.0	SDR1307K-151K-LF
180		0.1	18	2.30	280.0	SDR1307K-181K-LF
220		0.1	15	2.10	360.0	SDR1307K-221K-LF
270		0.1	15	1.80	410.0	SDR1307K-271K-LF
330		0.1	15	1.60	520.0	SDR1307K-331K-LF
390		0.1	12	1.50	600.0	SDR1307K-391K-LF
470		0.1	12	1.40	720.0	SDR1307K-471K-LF

SMT Power Inductors

SDR1307K



■ Size : 13.5x7.3 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH , coded)

Delivery mode : Tape & reel packing

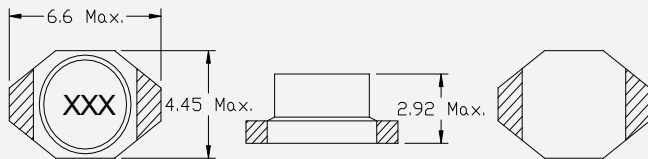
Packing unit : 250 pcs/reel

INDUCTANCE (μH)	Tolerance	f_L MHz	Q (Ref.)	IDC (A) (Max.)	DCR (m Ω) (Max.)	Ordering code
560	$\pm 10\% = \text{K}$	0.1	10	1.30	880.0	SDR1307K-561K-LF
680		0.1	10	1.20	1000.0	SDR1307K-681K-LF
820		0.1	10	1.10	1300.0	SDR1307K-821K-LF
1000		0.1	10	1.00	1600.0	SDR1307K-102K-LF

- DC current at which the inductance drops 30% (typ) from its value without current.
- Operating temperature range -40°C to $+125^\circ\text{C}$, Electrical specifications at 25°C .

SMT Power Inductors

SDS1608



■ Size : 6.6x4.45x2.92 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

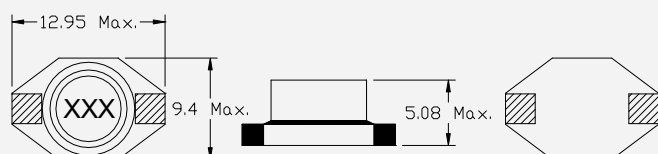
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Q (Min.)	SRF(MHz) (Ref.)	Isat (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.0	±20%=M	0.1	30@200KHz	250	1.40	0.040	SDS1608-1R0M-LF
1.5		0.1	30@200KHz	125	0.93	0.045	SDS1608-1R5M-LF
2.2		0.1	40@200KHz	120	0.92	0.050	SDS1608-2R2M-LF
3.3		0.1	40@200KHz	120	0.75	0.055	SDS1608-3R3M-LF
4.7		0.1	40@200KHz	105	0.58	0.060	SDS1608-4R7M-LF
6.8		0.1	40@200KHz	50	0.58	0.065	SDS1608-6R8M-LF
8.2		0.1	40@200KHz	42	0.47	0.070	SDS1608-8R2M-LF
10		0.1	40@200KHz	38	0.37	0.075	SDS1608-100M-LF
15		0.1	40@100KHz	33	0.31	0.090	SDS1608-150M-LF
22		0.1	40@100KHz	25	0.30	0.11	SDS1608-220M-LF
33		0.1	40@100KHz	20	0.30	0.19	SDS1608-330M-LF
47		0.1	40@100KHz	20	0.24	0.23	SDS1608-470M-LF
68		0.1	40@100KHz	15	0.17	0.29	SDS1608-680M-LF
100		0.1	40@100KHz	10	0.13	0.48	SDS1608-101M-LF
150		0.1	40@100KHz	9	0.10	0.59	SDS1608-151M-LF
220		0.1	40@100KHz	6	0.10	0.77	SDS1608-221M-LF
330		0.1	40@100KHz	5	0.070	1.40	SDS1608-331M-LF
470		0.1	40@100KHz	4	0.060	1.80	SDS1608-471M-LF
680		0.1	40@100KHz	3	0.055	2.20	SDS1608-681M-LF
1000		0.1	40@100KHz	2	0.045	3.40	SDS1608-102M-LF
1500		0.1	50@100KHz	2	0.035	4.20	SDS1608-152M-LF
2200		0.1	50@100KHz	2	0.028	8.50	SDS1608-222M-LF
3300		0.1	50@100KHz	1	0.024	11.0	SDS1608-332M-LF
4700		0.1	50@100KHz	1	0.021	13.9	SDS1608-472M-LF
6800		0.1	50@100KHz	1	0.019	25.0	SDS1608-682M-LF
10000		0.1	50@100KHz	0.8	0.017	38.0	SDS1608-103M-LF

- DC current at which the inductance drops 30% (typ) from its value without current.
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDS3316



■ Size : 12.59x9.4x5.08 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

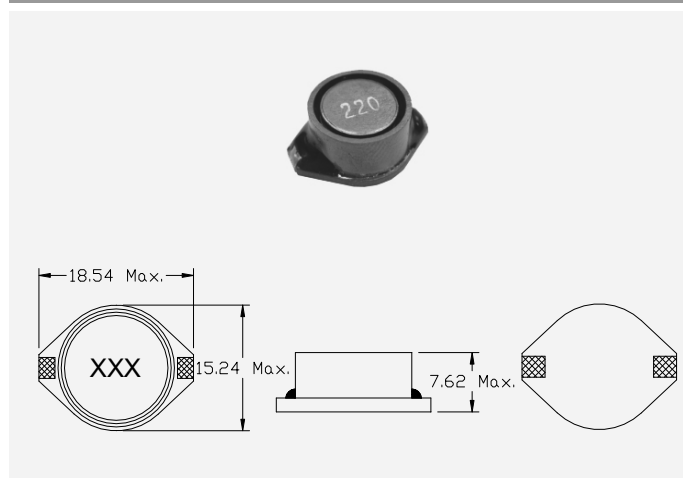
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR(Ω) (Max.)	SRF (MHz) (Ref.)	Ordering code
1.0	±20%=M	0.1	11.0	5.00	0.021	140	SDS3316-1R0M-LF
1.5		0.1	9.50	4.50	0.022	120	SDS3316-1R5M-LF
2.2		0.1	7.80	3.80	0.032	80	SDS3316-2R2M-LF
3.3		0.1	6.00	3.30	0.039	70	SDS3316-3R3M-LF
4.7		0.1	5.40	2.70	0.054	40	SDS3316-4R7M-LF
6.8		0.1	4.50	2.20	0.075	38	SDS3316-6R8M-LF
8.2		0.1	4.00	2.10	0.085	36	SDS3316-8R2M-LF
10		0.1	3.50	2.00	0.101	35	SDS3316-100M-LF
15		0.1	3.00	1.50	0.150	25	SDS3316-150M-LF
22		0.1	2.00	1.30	0.207	19	SDS3316-220M-LF
33		0.1	1.80	1.10	0.334	15	SDS3316-330M-LF
47		0.1	1.40	0.80	0.472	13	SDS3316-470M-LF
68		0.1	1.30	0.70	0.660	10	SDS3316-680M-LF
100		0.1	1.20	0.60	1.110	7	SDS3316-101M-LF
150		0.1	0.80	0.50	1.550	6	SDS3316-151M-LF
220		0.1	0.70	0.37	2.000	5	SDS3316-221M-LF
1000		0.1	0.32	0.17	8.300	2	SDS3316-102M-LF

- I_{sat} : DC current at which the inductance drops 10% (typ) from its value without current.
- I_{rms} : : Average current for 40°C temperature rise from 25°C ambient.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SDS5022



■ Size : 18.54x15.24x7.62 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

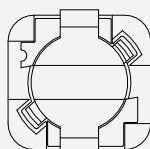
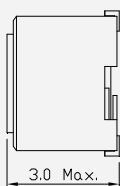
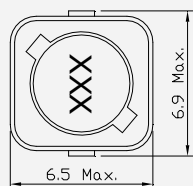
Packing unit : 250 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) (Max.)	SRF (MHz) (Ref.)	Ordering code
1.0	±20%=M	130	18.0	6.5	0.016	130	SDS5022-1R0M-LF
2.2		70	14.0	5.0	0.023	70	SDS5022-2R2M-LF
3.3		60	12.5	4.7	0.026	60	SDS5022-3R3M-LF
4.7		40	11.5	4.4	0.028	40	SDS5022-4R7M-LF
5.6		33	10.8	4.1	0.030	33	SDS5022-5R6M-LF
10		30	8.0	3.9	0.040	30	SDS5022-100M-LF
15		20	7.0	3.4	0.048	20	SDS5022-150M-LF
22		18	6.0	3.1	0.059	18	SDS5022-220M-LF
33		14	5.0	2.8	0.075	14	SDS5022-330M-LF
47		10	4.0	2.4	0.097	10	SDS5022-470M-LF
68		9.0	3.0	2.0	0.138	9.0	SDS5022-680M-LF
100		7.0	2.4	1.7	0.207	7.0	SDS5022-101M-LF
150		6.0	2.1	1.3	0.293	6.0	SDS5022-151M-LF
220		5.0	1.9	1.1	0.47	5.0	SDS5022-221M-LF
270		4.5	1.4	0.95	0.64	4.5	SDS5022-271M-LF
330		4.0	1.1	0.86	0.78	4.0	SDS5022-331M-LF
470		3.0	1.1	0.73	1.08	3.0	SDS5022-471M-LF
680		2.5	0.96	0.64	1.40	2.5	SDS5022-681M-LF
820		2.2	0.88	0.58	1.70	2.2	SDS5022-821M-LF
1000		2.0	0.80	0.53	2.01	2.0	SDS5022-102M-LF

- Isat : DC current at which the inductance drops 10% (typ) from its value without current.
- I_{rms} : : Average current for 40°C temperature rise from 25°C ambient.
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDS63



■ Size : 6.5x6.9x3.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

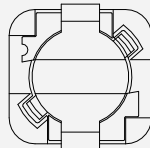
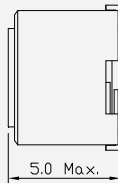
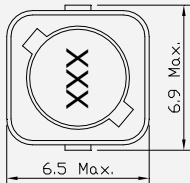
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
2.9	±20%=M	0.001	1.94	0.07	SDS63-2R9M-LF
4.0		0.001	1.63	0.08	SDS63-4R0M-LF
5.5		0.001	1.40	0.10	SDS63-5R5M-LF
10		0.001	1.10	0.15	SDS63-100M-LF
12		0.001	1.00	0.20	SDS63-120M-LF
15		0.001	0.90	0.23	SDS63-150M-LF
18		0.001	0.80	0.27	SDS63-180M-LF
22		0.001	0.74	0.34	SDS63-220M-LF
27		0.001	0.66	0.38	SDS63-270M-LF
33		0.001	0.59	0.45	SDS63-330M-LF
39		0.001	0.54	0.49	SDS63-390M-LF
47		0.001	0.50	0.69	SDS63-470M-LF
56		0.001	0.46	0.78	SDS63-560M-LF
68		0.001	0.42	1.07	SDS63-680M-LF
82		0.001	0.38	1.21	SDS63-820M-LF
100		0.001	0.34	1.39	SDS63-101M-LF
120		0.001	0.31	1.90	SDS63-121M-LF
150		0.001	0.28	2.18	SDS63-151M-LF
180		0.001	0.26	2.48	SDS63-181M-LF
220		0.001	0.23	3.12	SDS63-221M-LF
270		0.001	0.22	4.30	SDS63-271M-LF
330		0.001	0.19	4.94	SDS63-331M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C
- Electrical specifications at 25°C.

SMT Power Inductors

SDS65



■ Size : 6.5x6.9x5.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

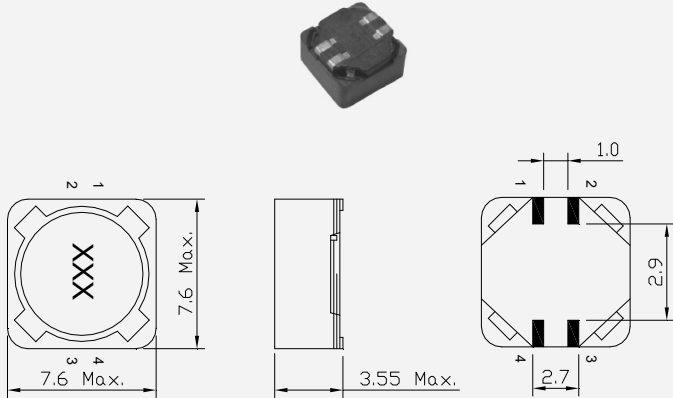
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±20%=M	0.001	1.35	0.12	SDS65-100M-LF
12		0.001	1.22	0.13	SDS65-120M-LF
15		0.001	1.11	0.18	SDS65-150M-LF
18		0.001	1.02	0.24	SDS65-180M-LF
22		0.001	0.91	0.27	SDS65-220M-LF
27		0.001	0.82	0.30	SDS65-270M-LF
33		0.001	0.74	0.33	SDS65-330M-LF
39		0.001	0.69	0.37	SDS65-390M-LF
47		0.001	0.62	0.52	SDS65-470M-LF
56		0.001	0.58	0.56	SDS65-560M-LF
68		0.001	0.51	0.63	SDS65-680M-LF
82		0.001	0.46	0.71	SDS65-820M-LF
100		0.001	0.42	1.03	SDS65-101M-LF
120		0.001	0.38	1.15	SDS65-121M-LF
150		0.001	0.35	1.68	SDS65-151M-LF
180		0.001	0.32	1.87	SDS65-181M-LF
220		0.001	0.29	2.08	SDS65-221M-LF
270		0.001	0.26	2.37	SDS65-271M-LF
330		0.001	0.23	2.67	SDS65-331M-LF
390		0.001	0.22	2.94	SDS65-391M-LF
470		0.001	0.20	3.93	SDS65-471M-LF
560		0.001	0.18	5.43	SDS65-561M-LF
680		0.001	0.17	7.32	SDS65-681M-LF
820		0.001	0.15	8.24	SDS65-821M-LF
1000		0.001	0.14	9.26	SDS65-102M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C
- Electrical specifications at 25°C.

SMT Power Inductors

SDS73BQ



■ Size : 7.6X7.6X3.55 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

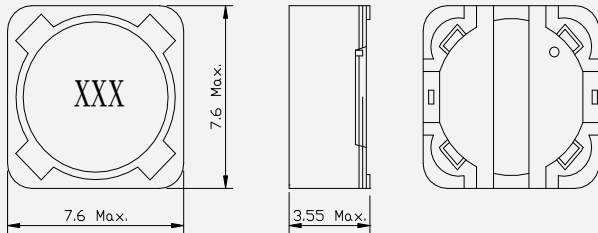
Packing unit : 1000 pcs/reel

TYPE		Parallel Ratings				Series Ratings				Ordering code
INDUCTANCE (μH)	Tolerance	OLC ±20% (μH)	Isat (A)	Irms (A)	DCR (Ω) (Max.)	OLC ±25% (μH)	Isat (A)	Irms (A)	DCR (Ω) (Max.)	
0.33	±20%=M	0.306	14.4	6.19	0.0092	1.224	7.18	3.10	0.0370	SDS73BQ-R33M-LF
1.0		0.992	7.97	5.25	0.0129	3.968	3.99	2.63	0.0514	SDS73BQ-1R0M-LF
1.5		1.482	6.52	4.64	0.0165	5.928	3.26	2.32	0.0659	SDS73BQ-1R5M-LF
2.2		2.070	5.52	4.11	0.0209	8.280	2.76	2.06	0.0836	SDS73BQ-2R2M-LF
3.3		3.540	4.22	3.31	0.0324	14.16	2.11	1.66	0.1294	SDS73BQ-3R3M-LF
4.7		4.422	3.78	3.09	0.0371	17.69	1.89	1.55	0.1485	SDS73BQ-4R7M-LF
6.8		6.480	3.12	2.55	0.0544	25.92	1.56	1.28	0.2178	SDS73BQ-6R8M-LF
8.2		8.930	2.66	2.19	0.0740	35.72	1.33	1.10	0.2960	SDS73BQ-8R2M-LF
10		10.30	2.47	2.08	0.0820	41.20	1.24	1.04	0.3279	SDS73BQ-100M-LF
15		15.01	2.05	1.83	0.1055	60.04	1.03	0.916	0.424	SDS73BQ-150M-LF
22		22.65	1.67	1.62	0.134	90.60	0.83	0.811	0.536	SDS73BQ-220M-LF
33		34.41	1.35	1.31	0.208	137.6	0.68	0.653	0.831	SDS73BQ-330M-LF
47		48.62	1.14	1.08	0.301	194.5	0.57	0.542	1.206	SDS73BQ-470M-LF
68		68.91	0.96	0.89	0.448	275.6	0.48	0.444	1.79	SDS73BQ-680M-LF
82		80.37	0.89	0.86	0.480	321.5	0.44	0.430	1.93	SDS73BQ-820M-LF
100		101.4	0.79	0.73	0.659	405.6	0.39	0.367	2.64	SDS73BQ-101M-LF
150		150.9	0.65	0.58	1.064	603.6	0.32	0.289	4.26	SDS73BQ-151M-LF
220		223.3	0.53	0.52	1.31	893.2	0.27	0.260	5.25	SDS73BQ-221M-LF
330		325.5	0.44	0.42	1.99	1302	0.22	0.211	7.95	SDS73BQ-331M-LF
470		465.8	0.37	0.35	2.95	1863	0.18	0.173	11.80	SDS73BQ-471M-LF
680		676.5	0.31	0.29	4.34	2706	0.15	0.143	17.35	SDS73BQ-681M-LF
820		821.7	0.28	0.27	4.91	3287	0.14	0.134	19.65	SDS73BQ-821M-LF
1000		995.0	0.25	0.26	5.43	3980	0.13	0.128	21.70	SDS73BQ-102M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- Operating temperature range -40℃ to +125℃.
- Electrical specifications at 25℃.

SMT Power Inductors

SDS73H



■ Size : 7.6x7.6x3.55 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

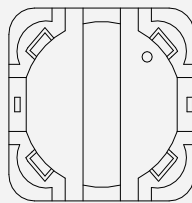
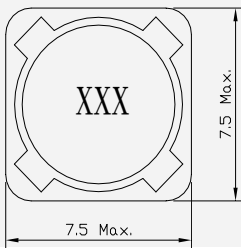
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
0.33	±20%=M	0.1	14.4	0.0095	SDS73H-R33M-LF
1.0		0.1	7.97	0.0133	SDS73H-1R0M-LF
1.5		0.1	6.52	0.0169	SDS73H-1R5M-LF
2.2		0.1	5.52	0.0215	SDS73H-2R2M-LF
3.3		0.1	4.22	0.0337	SDS73H-3R3M-LF
4.7		0.1	3.78	0.0386	SDS73H-4R7M-LF
6.8		0.1	3.12	0.0566	SDS73H-6R8M-LF
8.2		0.1	2.66	0.0770	SDS73H-8R2M-LF
10		0.1	2.47	0.0853	SDS73H-100M-LF
15		0.1	2.05	0.1100	SDS73H-150M-LF
22		0.1	1.67	0.1391	SDS73H-220M-LF
33		0.1	1.35	0.2158	SDS73H-330M-LF
47		0.1	1.14	0.3133	SDS73H-470M-LF
68		0.1	0.96	0.4654	SDS73H-680M-LF
82		0.1	0.89	0.4992	SDS73H-820M-LF
100		0.1	0.79	0.6851	SDS73H-101M-LF
150		0.1	0.65	1.1063	SDS73H-151M-LF
220		0.1	0.53	1.3650	SDS73H-221M-LF
330		0.1	0.44	2.0670	SDS73H-331M-LF
470		0.1	0.37	3.0680	SDS73H-471M-LF
680		0.1	0.31	4.5110	SDS73H-681M-LF
820		0.1	0.28	5.1090	SDS73H-821M-LF
1000		0.1	0.25	5.6420	SDS73H-102M-LF

- DC current at which the inductance drops 30% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SDS73



■ Size : 7.5x7.5x3.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

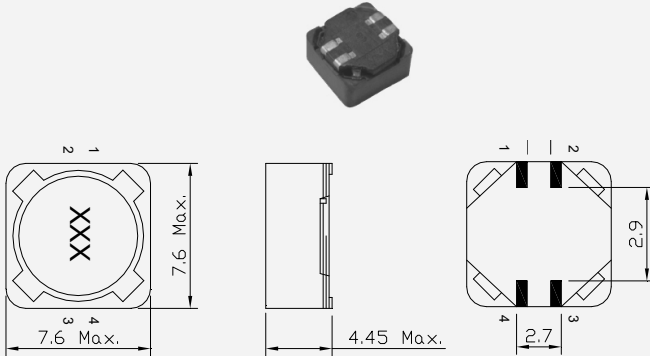
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±20%=M	0.001	1.68	0.072	SDS73-100M-LF
12		0.001	1.52	0.098	SDS73-120M-LF
15		0.001	1.33	0.13	SDS73-150M-LF
18		0.001	1.20	0.14	SDS73-180M-LF
22		0.001	1.07	0.19	SDS73-220M-LF
27		0.001	0.96	0.21	SDS73-270M-LF
33		0.001	0.91	0.24	SDS73-330M-LF
39		0.001	0.77	0.32	SDS73-390M-LF
47		0.001	0.76	0.36	SDS73-470M-LF
56		0.001	0.68	0.47	SDS73-560M-LF
68		0.001	0.61	0.52	SDS73-680M-LF
82		0.001	0.57	0.69	SDS73-820M-LF
100		0.001	0.50	0.79	SDS73-101M-LF
120		0.001	0.49	0.89	SDS73-121M-LF
150		0.001	0.43	1.27	SDS73-151M-LF
180		0.001	0.39	1.45	SDS73-181M-LF
220		0.001	0.35	1.65	SDS73-221M-LF
270		0.001	0.32	2.31	SDS73-271M-LF
330		0.001	0.28	2.62	SDS73-331M-LF
390		0.001	0.26	2.94	SDS73-391M-LF
470		0.001	0.24	4.18	SDS73-471M-LF
560		0.001	0.22	4.67	SDS73-561M-LF
680		0.001	0.19	5.73	SDS73-681M-LF
820		0.001	0.18	6.54	SDS73-821M-LF
1000		0.001	0.16	9.44	SDS73-102M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SDS74BQ



■ Size : 7.6x7.6x4.45 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

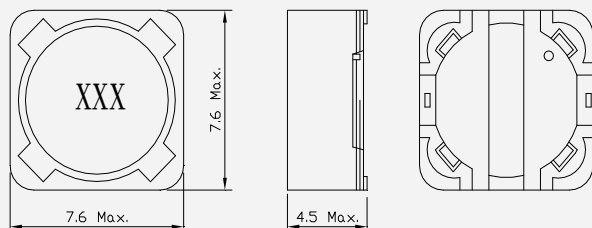
Packing unit : 1000 pcs/reel

TYPE		Parallel Ratings				Series Ratings				Ordering code
INDUCTANCE (μH)	Tolerance	OLC ±20% (μH)	IDC (A)	I _{rms} (A)	DCR (Ω) (Max.)	OLC ±25% (μH)	IDC (A)	I _{rms} (A)	DCR (Ω) (Max.)	
0.33	±20%=M	0.294	18.4	6.20	0.0093	1.176	9.18	3.10	0.0369	SDS74BQ-R33M-LF
1.0		0.952	10.2	5.33	0.0125	3.808	5.10	2.66	0.0500	SDS74BQ-1R0M-LF
1.5		1.422	8.35	4.96	0.0144	5.688	4.17	2.48	0.5762	SDS74BQ-1R5M-LF
2.2		1.986	7.06	4.66	0.0163	7.944	3.53	2.33	0.0651	SDS74BQ-2R2M-LF
3.3		3.396	5.40	3.94	0.0229	13.58	2.70	1.97	0.0915	SDS74BQ-3R3M-LF
4.7		5.182	4.37	3.34	0.0318	20.73	2.19	1.67	0.1275	SDS74BQ-4R7M-LF
6.8		7.344	3.67	2.60	0.0523	29.38	1.84	1.30	0.2088	SDS74BQ-6R8M-LF
8.2		8.566	3.40	2.53	0.0551	34.26	1.70	1.27	0.2213	SDS74BQ-8R2M-LF
10		9.882	3.17	2.41	0.0611	39.53	1.58	1.20	0.2450	SDS74BQ-100M-LF
15		16.09	2.48	2.11	0.0796	64.36	1.24	1.05	0.3188	SDS74BQ-150M-LF
22		21.73	2.13	1.75	0.1156	86.92	1.07	0.874	0.4638	SDS74BQ-220M-LF
33		33.01	1.73	1.41	0.179	132.0	0.87	0.702	0.718	SDS74BQ-330M-LF
47		49.64	1.41	1.15	0.270	198.6	0.71	0.573	1.081	SDS74BQ-470M-LF
68		69.67	1.19	1.03	0.331	278.7	0.60	0.517	1.325	SDS74BQ-680M-LF
82		80.95	1.11	0.91	0.431	323.8	0.55	0.453	1.725	SDS74BQ-820M-LF
100		101.6	0.99	0.86	0.479	406.4	0.49	0.430	1.913	SDS74BQ-101M-LF
150		150.0	0.81	0.69	0.739	600.0	0.41	0.346	2.963	SDS74BQ-151M-LF
220		227.0	0.66	0.56	1.134	908.0	0.33	0.279	3.288	SDS74BQ-221M-LF
330		335.6	0.54	0.45	1.763	1342	0.27	0.224	7.075	SDS74BQ-331M-LF
470		465.3	0.46	0.40	2.175	1861	0.23	0.202	8.713	SDS74BQ-471M-LF
680		671.2	0.38	0.33	3.225	2685	0.19	0.166	12.875	SDS74BQ-681M-LF
820		812.7	0.35	0.31	3.663	3251	0.17	0.156	14.625	SDS74BQ-821M-LF
1000		1009	0.31	0.27	4.863	4036	0.16	0.135	19.500	SDS74BQ-102M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDS74H



■ Size : 7.6x7.6x4.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

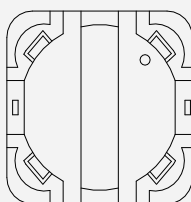
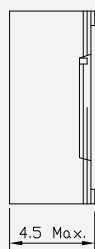
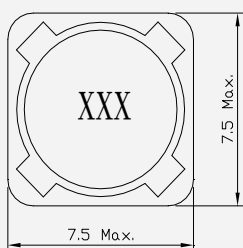
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
0.33	±20%=M	0.1	18.4	0.0096	SDS74H-R33M-LF
1.0		0.1	10.2	0.0129	SDS74H-1R0M-LF
1.5		0.1	8.35	0.0154	SDS74H-1R5M-LF
2.2		0.1	7.06	0.0164	SDS74H-2R2M-LF
3.3		0.1	5.40	0.0238	SDS74H-3R3M-LF
4.7		0.1	4.37	0.0331	SDS74H-4R7M-LF
6.8		0.1	3.67	0.0544	SDS74H-6R8M-LF
8.2		0.1	3.40	0.0574	SDS74H-8R2M-LF
10		0.1	3.17	0.0636	SDS74H-100M-LF
15		0.1	2.48	0.0829	SDS74H-150M-LF
22		0.1	2.13	0.1203	SDS74H-220M-LF
33		0.1	1.73	0.1859	SDS74H-330M-LF
47		0.1	1.41	0.2808	SDS74H-470M-LF
68		0.1	1.19	0.3345	SDS74H-680M-LF
82		0.1	1.11	0.4485	SDS74H-820M-LF
100		0.1	0.99	0.4979	SDS74H-101M-LF
150		0.1	0.81	0.7683	SDS74H-151M-LF
220		0.1	0.66	1.1791	SDS74H-221M-LF
330		0.1	0.54	1.8330	SDS74H-331M-LF
470		0.1	0.46	2.2620	SDS74H-471M-LF
680		0.1	0.38	3.3540	SDS74H-681M-LF
820		0.1	0.35	3.8090	SDS74H-821M-LF
1000		0.1	0.31	5.0570	SDS74H-102M-LF

- DC current at which the inductance drops 30% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 20°C.

SMT Power Inductors

SDS74



■ Size : 7.5x7.5x4.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

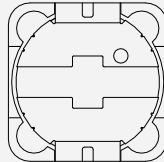
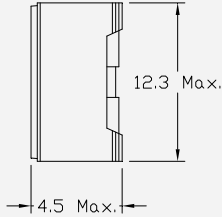
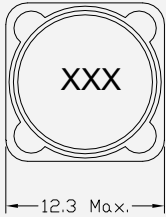
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±20%=M	0.001	1.84	0.049	SDS74-100M-LF
12		0.001	1.71	0.058	SDS74-120M-LF
15		0.001	1.47	0.081	SDS74-150M-LF
18		0.001	1.31	0.091	SDS74-180M-LF
22		0.001	1.23	0.110	SDS74-220M-LF
27		0.001	1.12	0.150	SDS74-270M-LF
33		0.001	0.96	0.170	SDS74-330M-LF
39		0.001	0.91	0.230	SDS74-390M-LF
47		0.001	0.88	0.260	SDS74-470M-LF
56		0.001	0.75	0.350	SDS74-560M-LF
68		0.001	0.69	0.380	SDS74-680M-LF
82		0.001	0.61	0.430	SDS74-820M-LF
100		0.001	0.60	0.610	SDS74-101M-LF
120		0.001	0.52	0.660	SDS74-121M-LF
150		0.001	0.46	0.880	SDS74-151M-LF
180		0.001	0.42	0.980	SDS74-181M-LF
220		0.001	0.36	1.170	SDS74-221M-LF
270		0.001	0.34	1.640	SDS74-271M-LF
330		0.001	0.32	1.860	SDS74-331M-LF
390		0.001	0.29	2.850	SDS74-391M-LF
470		0.001	0.26	3.010	SDS74-471M-LF
560		0.001	0.23	3.620	SDS74-561M-LF
680		0.001	0.22	4.630	SDS74-681M-LF
820		0.001	0.20	5.200	SDS74-821M-LF
1000		0.001	0.18	6.000	SDS74-102M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SDS124



■ Size : 12.3x12.3x4.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

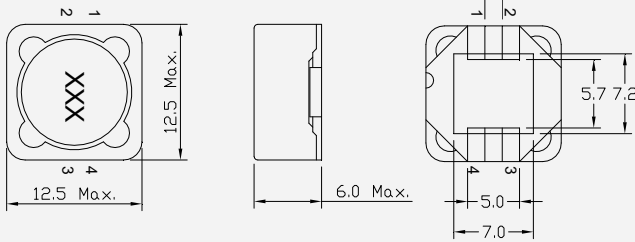
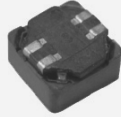
Packing unit : 400 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
3.9	±30%=N	0.1	6.50	0.015	SDS124-3R9N-LF
4.7		0.1	5.70	0.018	SDS124-4R7N-LF
6.8		0.1	4.90	0.023	SDS124-6R8N-LF
8.2		0.1	4.60	0.026	SDS124-8R2N-LF
10	±20%=M	0.1	4.50	0.028	SDS124-100M-LF
12		0.1	4.00	0.038	SDS124-120M-LF
15		0.1	3.20	0.050	SDS124-150M-LF
18		0.1	3.10	0.057	SDS124-180M-LF
22		0.1	2.90	0.066	SDS124-220M-LF
27		0.1	2.80	0.080	SDS124-270M-LF
33		0.1	2.70	0.097	SDS124-330M-LF
39		0.1	2.10	0.132	SDS124-390M-LF
47		0.1	1.90	0.160	SDS124-470M-LF
56		0.1	1.80	0.190	SDS124-560M-LF
68		0.1	1.50	0.220	SDS124-680M-LF
82		0.1	1.30	0.260	SDS124-820M-LF
100		0.1	1.20	0.308	SDS124-101M-LF
120		0.1	1.10	0.380	SDS124-121M-LF
150		0.1	0.95	0.530	SDS124-151M-LF
180		0.1	0.85	0.620	SDS124-181M-LF
220		0.1	0.80	0.700	SDS124-221M-LF
270		0.1	0.60	0.870	SDS124-271M-LF
330		0.1	0.50	0.990	SDS124-331M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SDS125BQ



■ Size : 12.5x12.5x6.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

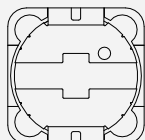
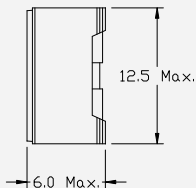
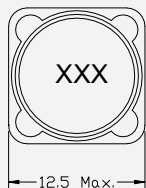
Packing unit : 400 pcs/reel

TYPE		Parallel Ratings				Series Ratings				Ordering code
INDUCTANCE (μH)	Tolerance	OLC ±20% (μH)	IDC (A)	I _{rms} (A)	DCR (Ω) (Max.)	OLC ±25% (μH)	IDC (A)	I _{rms} (A)	DCR (Ω) (Max.)	
0.47	±20%=M	0.456	33.0	17.6	0.0023	1.824	16.5	8.80	0.0098	SDS125BQ-R47M-LF
1.0		0.894	23.6	15.0	0.0030	3.576	11.8	7.51	0.1200	SDS125BQ-1R0M-LF
1.5		1.478	18.3	13.8	0.0036	5.912	9.15	6.89	0.0143	SDS125BQ-1R5M-LF
2.2		2.208	15.0	10.9	0.0056	8.832	7.50	5.46	0.0228	SDS125BQ-2R2M-LF
3.3		3.084	12.7	9.26	0.0079	12.34	6.35	4.63	0.0316	SDS125BQ-3R3M-LF
4.7		5.274	9.71	7.18	0.0131	21.10	4.86	3.59	0.0525	SDS125BQ-4R7M-LF
6.8		6.588	8.68	6.64	0.0154	26.35	4.34	3.32	0.0615	SDS125BQ-6R8M-LF
8.2		8.048	7.86	5.54	0.0220	32.19	3.93	2.77	0.0881	SDS125BQ-8R2M-LF
10		9.654	7.17	5.35	0.0236	38.62	3.59	2.67	0.0946	SDS125BQ-100M-LF
15		15.35	5.69	4.27	0.0372	61.40	2.85	2.13	0.1500	SDS125BQ-150M-LF
22		22.36	4.71	3.70	0.0495	89.44	2.36	1.84	0.1988	SDS125BQ-220M-LF
33		33.74	3.84	3.28	0.0625	135.0	1.92	1.64	0.2538	SDS125BQ-330M-LF
47		47.47	3.24	2.71	0.0925	189.9	1.62	1.35	0.3713	SDS125BQ-470M-LF
68		67.91	2.70	2.22	0.126	271.6	1.35	1.11	0.550	SDS125BQ-680M-LF
82		86.89	2.39	2.05	0.160	347.6	1.20	1.03	0.644	SDS125BQ-820M-LF
100		102.7	2.20	1.78	0.213	410.8	1.10	0.892	0.853	SDS125BQ-101M-LF
150		151.1	1.81	1.48	0.310	604.4	0.905	0.739	1.239	SDS125BQ-151M-LF
220		216.8	1.51	1.19	0.480	867.2	0.755	0.594	1.925	SDS125BQ-221M-LF
330		332.6	1.22	1.06	0.603	1330	0.610	0.530	2.413	SDS125BQ-331M-LF
470		473.1	1.02	0.87	0.898	1892	0.510	0.434	3.588	SDS125BQ-471M-LF
680		679.8	0.85	0.70	1.375	2719	0.425	0.350	5.525	SDS125BQ-681M-LF
820		828.0	0.77	0.60	1.863	3312	0.385	0.301	7.450	SDS125BQ-821M-LF
1000		1008	0.70	0.57	2.113	4032	0.350	0.283	8.450	SDS125BQ-102M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDS125H



■ Size : 12.5x12.5x6.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

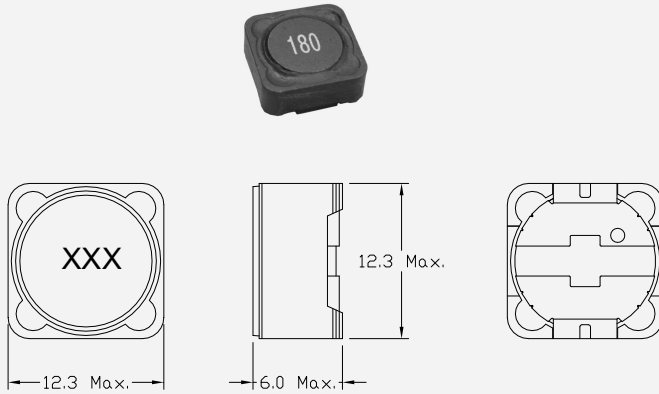
Packing unit : 400 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
0.47	±20%=M	0.1	33.0	17.6	2.25	SDS125H-R47M-LF
1.0		0.1	23.6	15.0	3.00	SDS125H-1R0M-LF
1.5		0.1	18.3	13.8	3.25	SDS125H-1R5M-LF
2.2		0.1	15.0	10.9	5.63	SDS125H-2R2M-LF
3.3		0.1	12.7	9.26	7.88	SDS125H-3R3M-LF
4.7		0.1	9.71	7.18	13.13	SDS125H-4R7M-LF
6.8		0.1	8.68	6.64	15.38	SDS125H-6R8M-LF
8.2		0.1	7.86	5.54	22.00	SDS125H-8R2M-LF
10		0.1	7.17	5.35	23.63	SDS125H-100M-LF
15		0.1	5.69	4.27	37.25	SDS125H-150M-LF
22		0.1	4.71	3.70	49.50	SDS125H-220M-LF
33		0.1	3.84	3.28	63.13	SDS125H-330M-LF
47		0.1	3.24	2.71	92.50	SDS125H-470M-LF
68		0.1	2.70	2.22	126.25	SDS125H-680M-LF
82		0.1	2.39	2.05	160.0	SDS125H-820M-LF
100		0.1	2.20	1.78	212.5	SDS125H-101M-LF
150		0.1	1.81	1.48	310.0	SDS125H-151M-LF
220		0.1	1.51	1.19	480.0	SDS125H-221M-LF
330		0.1	1.22	1.06	602.5	SDS125H-331M-LF
470		0.1	1.02	0.87	897.5	SDS125H-471M-LF
680		0.1	0.85	0.70	1375	SDS125H-681M-LF
820		0.1	0.77	0.60	1862.5	SDS125H-821M-LF
1000		0.1	0.70	0.57	2112.5	SDS125H-102M-LF
120000		0.1	0.069	0.06	187.5 Ω	SDS125H-124M-LF

- Isat current at which the inductance drops 30% Max. from its value without current.
- Storage temperature range : - 40 °C to + 125 °C, Electrical specifications at 25°C.

SMT Power Inductors

SDS125



■ Size : 12.3x12.3x6.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

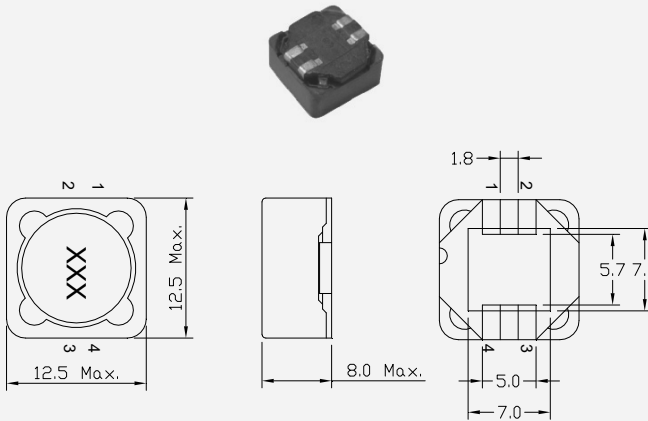
Packing unit : 400 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.3	±30%=N	7.96	8.00	0.012	SDS125-1R3N-LF
2.1		7.96	7.00	0.014	SDS125-2R1N-LF
3.1		7.96	6.00	0.017	SDS125-3R1N-LF
4.4		7.96	5.00	0.020	SDS125-4R4N-LF
5.8		7.96	4.40	0.021	SDS125-5R8N-LF
7.5		7.96	4.20	0.024	SDS125-7R5N-LF
10	±20%=M	0.001	4.00	0.025	SDS125-100M-LF
12		0.001	3.50	0.027	SDS125-120M-LF
15		0.001	3.30	0.030	SDS125-150M-LF
18		0.001	3.00	0.034	SDS125-180M-LF
22		0.001	2.80	0.036	SDS125-220M-LF
27		0.001	2.30	0.051	SDS125-270M-LF
33		0.001	2.10	0.057	SDS125-330M-LF
39		0.001	2.00	0.068	SDS125-390M-LF
47		0.001	1.80	0.075	SDS125-470M-LF
56		0.001	1.70	0.110	SDS125-560M-LF
68		0.001	1.50	0.120	SDS125-680M-LF
82		0.001	1.40	0.140	SDS125-820M-LF
100		0.001	1.30	0.160	SDS125-101M-LF
120		0.001	1.10	0.170	SDS125-121M-LF
150		0.001	1.00	0.230	SDS125-151M-LF
180		0.001	0.90	0.290	SDS125-181M-LF
220		0.001	0.80	0.400	SDS125-221M-LF
270		0.001	0.75	0.460	SDS125-271M-LF
330		0.001	0.68	0.510	SDS125-331M-LF
390		0.001	0.65	0.690	SDS125-391M-LF
470		0.001	0.58	0.770	SDS125-471M-LF
560		0.001	0.54	0.860	SDS125-561M-LF
680		0.001	0.48	1.200	SDS125-681M-LF
820		0.001	0.43	1.340	SDS125-821M-LF
1000		0.001	0.40	1.530	SDS125-102M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C .

SMT Power Inductors

SDS127BQ



■ Size : 12.5x12.5x8.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

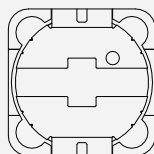
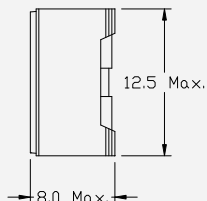
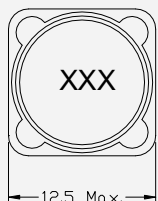
Packing unit : 400 pcs/reel

TYPE		Parallel Ratings				Series Ratings				
INDUCTANCE (μH)	Tolerance	OLC ±20% (μH)	IDC (A)	I _{rms} (A)	DCR (Ω) (Max.)	OLC ±25% (μH)	IDC (A)	I _{rms} (A)	DCR (Ω) (Max.)	Ordering code
0.47	±20%=M	0.419	56.0	17.9	0.0024	1.676	28	8.94	0.0098	SDS127BQ-R47M-LF
1.0		0.821	40.0	15.5	0.0033	3.284	20	7.74	0.0130	SDS127BQ-1R0M-LF
1.5		1.357	31.1	13.5	0.0043	5.428	15.6	6.77	0.0171	SDS127BQ-1R5M-LF
2.2		2.027	25.5	12.5	0.0047	8.108	12.7	6.23	0.0201	SDS127BQ-2R2M-LF
3.3		2.831	21.5	10.4	0.0071	11.32	10.8	5.23	0.0286	SDS127BQ-3R3M-LF
4.7		4.841	16.5	8.25	0.0115	19.36	8.24	4.13	0.0459	SDS127BQ-4R7M-LF
6.8		7.387	13.3	7.34	0.0145	29.55	6.67	3.67	0.0581	SDS127BQ-6R8M-LF
8.2		8.861	12.2	6.32	0.0196	35.44	6.09	3.16	0.0784	SDS127BQ-8R2M-LF
10		10.47	11.2	6.04	0.0215	41.88	5.60	3.02	0.0858	SDS127BQ-100M-LF
15		14.09	9.66	5.03	0.0309	56.36	4.83	2.51	0.1238	SDS127BQ-150M-LF
22		22.93	7.57	4.00	0.0489	91.72	3.78	2.00	0.1963	SDS127BQ-220M-LF
33		33.92	6.22	3.23	0.0750	135.7	3.11	1.61	0.3013	SDS127BQ-330M-LF
47		47.05	5.28	2.95	0.0899	188.2	2.64	1.47	0.3600	SDS127BQ-470M-LF
68		66.48	4.44	2.44	0.1313	265.9	2.22	1.22	0.5263	SDS127BQ-680M-LF
82		79.75	4.06	2.09	0.1788	319.0	2.03	1.04	0.7163	SDS127BQ-820M-LF
100		99.31	3.64	1.96	0.2038	397.2	1.82	0.980	0.8163	SDS127BQ-101M-LF
150		144.9	3.01	1.59	0.3088	579.6	1.51	0.796	1.2363	SDS127BQ-151M-LF
220		221.5	2.43	1.29	0.4700	866.0	1.22	0.645	1.88	SDS127BQ-221M-LF
330		323.6	2.01	1.04	0.7175	1294	1.01	0.522	2.88	SDS127BQ-331M-LF
470		467.1	1.68	0.85	1.0763	1868	0.838	0.427	4.30	SDS127BQ-471M-LF
680		676.7	1.39	0.76	1.3500	2707	0.697	0.380	5.40	SDS127BQ-681M-LF
820		818.1	1.27	0.65	1.8376	3272	0.633	0.325	7.35	SDS127BQ-821M-LF
1000		1005	1.14	0.61	2.0750	4020	0.571	0.307	8.30	SDS127BQ-102M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- Operating temperature range -40℃ to +125℃.
- Electrical specifications at 25℃.

SMT Power Inductors

SDS127H



■ Size : 12.5x12.5x8.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

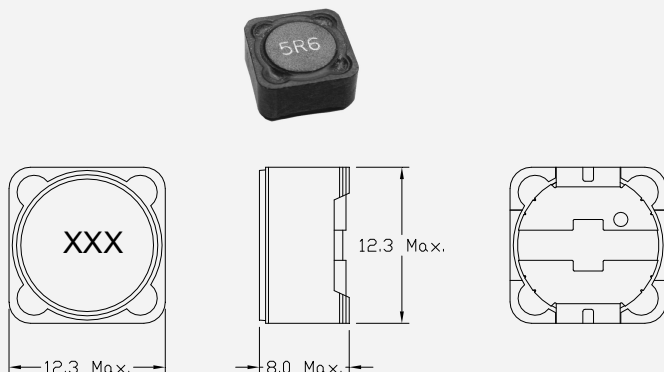
Packing unit : 400 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
0.47	±20%=M	0.1	56.0	17.9	2.438	SDS127H-R47M-LF
1.0		0.1	40.0	15.5	3.913	SDS127H-1R0M-LF
1.5		0.1	31.1	13.5	4.263	SDS127H-1R5M-LF
2.2		0.1	25.5	12.5	5.025	SDS127H-2R2M-LF
3.3		0.1	21.5	10.5	7.088	SDS127H-3R3M-LF
4.7		0.1	16.5	8.25	11.463	SDS127H-4R7M-LF
6.8		0.1	13.3	7.34	14.500	SDS127H-6R8M-LF
8.2		0.1	12.2	6.32	19.625	SDS127H-8R2M-LF
10		0.1	11.2	6.04	21.500	SDS127H-100M-LF
15		0.1	9.66	5.03	30.875	SDS127H-150M-LF
22		0.1	7.57	4.00	48.875	SDS127H-220M-LF
33		0.1	6.22	3.23	75.00	SDS127H-330M-LF
47		0.1	5.28	2.95	89.88	SDS127H-470M-LF
68		0.1	4.44	2.44	131.25	SDS127H-680M-LF
82		0.1	4.06	2.09	178.75	SDS127H-820M-LF
100		0.1	3.64	1.96	203.75	SDS127H-101M-LF
150		0.1	3.01	1.59	308.75	SDS127H-151M-LF
220		0.1	2.43	1.29	470.00	SDS127H-221M-LF
330		0.1	2.01	1.04	717.50	SDS127H-331M-LF
470		0.1	1.68	0.85	1076.25	SDS127H-471M-LF
680		0.1	1.39	0.76	1350.0	SDS127H-681M-LF
820		0.1	1.27	0.65	1837.5	SDS127H-821M-LF
1000		0.1	1.14	0.61	2075.0	SDS127H-102M-LF

- DC current at which the inductance drops 30% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SDS127LD



■ Size : 12.3x12.3x8.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

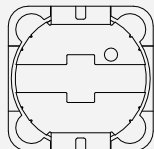
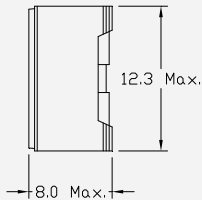
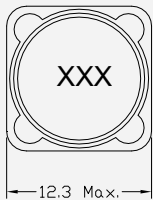
Packing unit : 400 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.0	±30%=N	0.1	14.0	0.0065	SDS127LD-1R0N-LF
2.4		0.1	10.3	0.0105	SDS127LD-2R4N-LF
3.5		0.1	9.30	0.0124	SDS127LD-3R5N-LF
4.6		0.1	9.10	0.0138	SDS127LD-4R6N-LF
5.8		0.1	8.60	0.0162	SDS127LD-5R8N-LF
7.4		0.1	7.40	0.0177	SDS127LD-7R4N-LF
10		0.001	6.70	0.0195	SDS127LD-100M-LF
12	±20%=M	0.001	6.45	0.0213	SDS127LD-120M-LF
15		0.001	5.65	0.0264	SDS127LD-150M-LF
18		0.001	5.10	0.0280	SDS127LD-180M-LF
22		0.001	4.70	0.0364	SDS127LD-220M-LF
27		0.001	4.20	0.0416	SDS127LD-270M-LF
33		0.001	3.90	0.0533	SDS127LD-330M-LF
39		0.001	3.50	0.0605	SDS127LD-390M-LF
47		0.001	3.25	0.0780	SDS127LD-470M-LF
56		0.001	2.90	0.0900	SDS127LD-560M-LF
68		0.001	2.60	0.1200	SDS127LD-680M-LF
82		0.001	2.40	0.1190	SDS127LD-820M-LF
100		0.001	2.10	0.1510	SDS127LD-101M-LF
120		0.001	1.90	0.1690	SDS127LD-121M-LF
150		0.001	1.80	0.2270	SDS127LD-151M-LF
180		0.001	1.55	0.2990	SDS127LD-181M-LF
220		0.001	1.45	0.3380	SDS127LD-221M-LF
270		0.001	1.30	0.4190	SDS127LD-271M-LF
330		0.001	1.20	0.4710	SDS127LD-331M-LF
390		0.001	1.10	0.5720	SDS127LD-391M-LF
470		0.001	1.00	0.7410	SDS127LD-471M-LF
560		0.001	0.95	0.8520	SDS127LD-561M-LF
680		0.001	0.85	1.1300	SDS127LD-681M-LF
820		0.001	0.75	1.2400	SDS127LD-821M-LF
1000		0.001	0.70	1.5000	SDS127LD-102M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C. Electrical specifications at 25°C.

SMT Power Inductors

SDS127



■ Size : 12.3x12.3x8.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

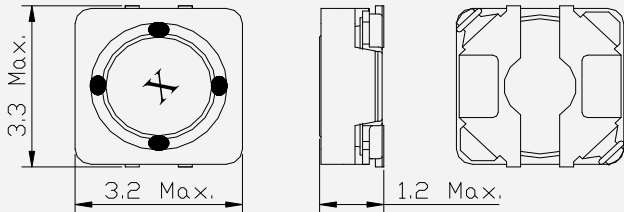
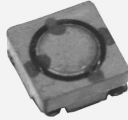
Packing unit : 400 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L KHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.2	±30%=N	0.1	9.80	0.0070	SDS127-1R2N-LF
2.4		0.1	8.00	0.0115	SDS127-2R4N-LF
3.5		0.1	7.50	0.0135	SDS127-3R5N-LF
4.7		0.1	6.80	0.0158	SDS127-4R7N-LF
6.1		0.1	6.60	0.0176	SDS127-6R1N-LF
7.6		0.1	5.90	0.0200	SDS127-7R6N-LF
10	±20%=M	0.001	5.40	0.0216	SDS127-100M-LF
12		0.001	4.90	0.0243	SDS127-120M-LF
15		0.001	4.50	0.0270	SDS127-150M-LF
18		0.001	3.90	0.0392	SDS127-180M-LF
22		0.001	3.60	0.0432	SDS127-220M-LF
27		0.001	3.40	0.0459	SDS127-270M-LF
33		0.001	3.00	0.0648	SDS127-330M-LF
39		0.001	2.75	0.0729	SDS127-390M-LF
47		0.001	2.50	0.100	SDS127-470M-LF
56		0.001	2.35	0.110	SDS127-560M-LF
68		0.001	2.10	0.140	SDS127-680M-LF
82		0.001	1.95	0.160	SDS127-820M-LF
100		0.001	1.70	0.220	SDS127-101M-LF
120		0.001	1.60	0.250	SDS127-121M-LF
150		0.001	1.42	0.280	SDS127-151M-LF
180		0.001	1.30	0.350	SDS127-181M-LF
220		0.001	1.16	0.390	SDS127-221M-LF
270		0.001	1.06	0.560	SDS127-271M-LF
330		0.001	0.95	0.640	SDS127-331M-LF
390		0.001	0.88	0.700	SDS127-391M-LF
470		0.001	0.79	0.980	SDS127-471M-LF
560		0.001	0.73	1.070	SDS127-561M-LF
680		0.001	0.67	1.460	SDS127-681M-LF
820		0.001	0.60	1.640	SDS127-821M-LF
1000		0.001	0.55	1.820	SDS127-102M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SDS3012D



■ Size : 3.2x3.3x1.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Inductance symbol

Delivery mode : Tape & reel packing

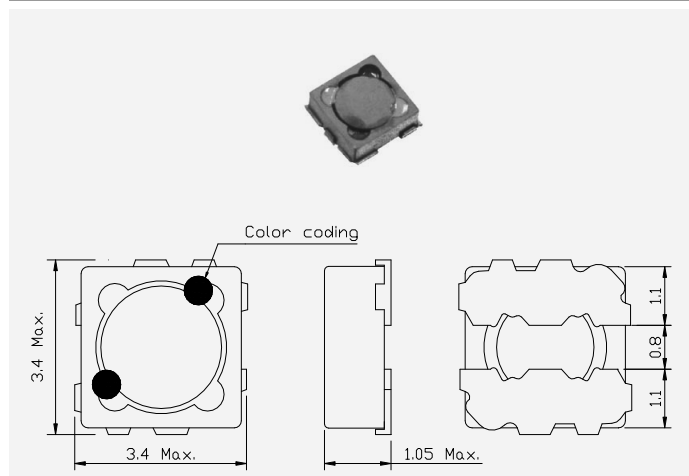
Packing unit : 3000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) Max.(Typ.)	Stamp	Ordering code
1.0	±30%=N	0.1	1.50	1.80	66.0m(55m)	A	SDS3012D-1R0N-LF
1.2		0.1	1.40	1.65	75.6m(63m)	B	SDS3012D-1R2N-LF
1.5		0.1	1.30	1.50	90.0m(75m)	C	SDS3012D-1R5N-LF
2.2		0.1	1.00	1.30	0.132(0.11)	E	SDS3012D-2R2N-LF
3.3		0.1	0.87	1.10	0.180(0.15)	G	SDS3012D-3R3N-LF
3.9		0.1	0.82	1.00	0.216(0.18)	H	SDS3012D-3R9N-LF
4.7	±20%=M	0.1	0.75	0.90	0.252(0.21)	I	SDS3012D-4R7M-LF
5.6		0.1	0.65	0.80	0.324(0.27)	J	SDS3012D-5R6M-LF
6.8		0.1	0.60	0.70	0.396(0.33)	K	SDS3012D-6R8M-LF
8.2		0.1	0.55	0.65	0.456(0.38)	L	SDS3012D-8R2M-LF
10		0.1	0.50	0.60	0.492(0.41)	M	SDS3012D-100M-LF
12		0.1	0.45	0.55	0.660(0.55)	N	SDS3012D-120M-LF
15		0.1	0.40	0.45	0.816(0.68)	O	SDS3012D-150M-LF
22		0.1	0.35	0.35	1.140(0.95)	Q	SDS3012D-220M-LF

- I_{sat} : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (T_a=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDS3012E



■ Size : 3.4x3.4x1.05 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Color coding

Delivery mode : Tape & reel packing

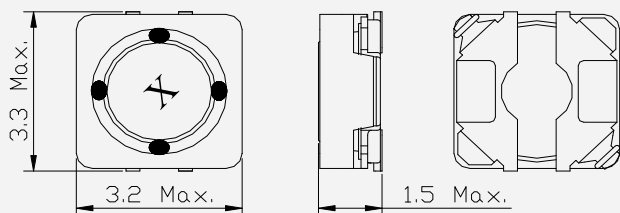
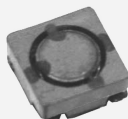
Packing unit : 1000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	I _{sat} (A)	I _{rms} (A)	DCR (Ω) (Max.)	Ordering code
1.2	$\pm 20\% = M$	0.1	1.40	1.50	0.094	SDS3012E-1R2M-LF
1.5		0.1	1.36	1.40	0.105	SDS3012E-1R5M-LF
1.8		0.1	1.24	1.35	0.117	SDS3012E-1R8M-LF
2.2		0.1	1.08	1.25	0.127	SDS3012E-2R2M-LF
3.3		0.1	0.88	1.00	0.216	SDS3012E-3R3M-LF
4.7		0.1	0.82	0.85	0.336	SDS3012E-4R7M-LF
6.8		0.1	0.60	0.70	0.450	SDS3012E-6R8M-LF
10		0.1	0.56	0.60	0.603	SDS3012E-100M-LF
15		0.1	0.40	0.50	0.960	SDS3012E-150M-LF
22		0.1	0.32	0.40	1.320	SDS3012E-220M-LF

- I_{sat} : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms} : Current that causes the specified temperature rise from 25°C ambient.
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDS3015D



■ Size : 3.2x3.3x1.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Inductance symbol

Delivery mode : Tape & reel packing

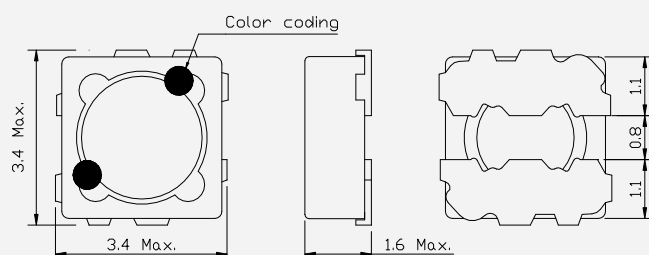
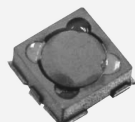
Packing unit : 3000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) Max.(Typ.)	Stamp	Ordering code
1.5	±30%=N	0.1	2.00	1.66	84.0m(70m)	C	SDS3015D-1R5N-LF
1.8		0.1	1.70	1.56	96.0m(80m)	D	SDS3015D-1R8N-LF
2.2		0.1	1.50	1.40	108m(90m)	E	SDS3015D-2R2N-LF
2.7		0.1	1.40	1.30	0.120(0.10)	F	SDS3015D-2R7N-LF
3.3		0.1	1.30	1.25	0.132(0.11)	G	SDS3015D-3R3N-LF
3.9	±20%=M	0.1	1.20	1.20	0.144(0.12)	H	SDS3015D-3R9N-LF
4.7		0.1	1.00	1.10	0.192(0.16)	I	SDS3015D-4R7M-LF
5.6		0.1	0.90	1.05	0.204(0.17)	J	SDS3015D-5R6M-LF
6.8		0.1	0.85	1.00	0.276(0.23)	K	SDS3015D-6R8M-LF
8.2		0.1	0.80	0.95	0.336(0.28)	L	SDS3015D-8R2M-LF
10		0.1	0.75	0.85	0.432(0.36)	M	SDS3015D-100M-LF
12		0.1	0.62	0.77	0.504(0.42)	N	SDS3015D-120M-LF
15		0.1	0.58	0.67	0.600(0.50)	O	SDS3015D-150M-LF
18		0.1	0.54	0.56	0.708(0.59)	P	SDS3015D-180M-LF
22		0.1	0.48	0.50	0.864(0.72)	Q	SDS3015D-220M-LF
27		0.1	0.40	0.45	0.984(0.82)	R	SDS3015D-270M-LF

- I_{sat} : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (T_a=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDS3015EHP



■ Size : 3.4x3.4x1.6 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Color coding

Delivery mode : Tape & reel packing

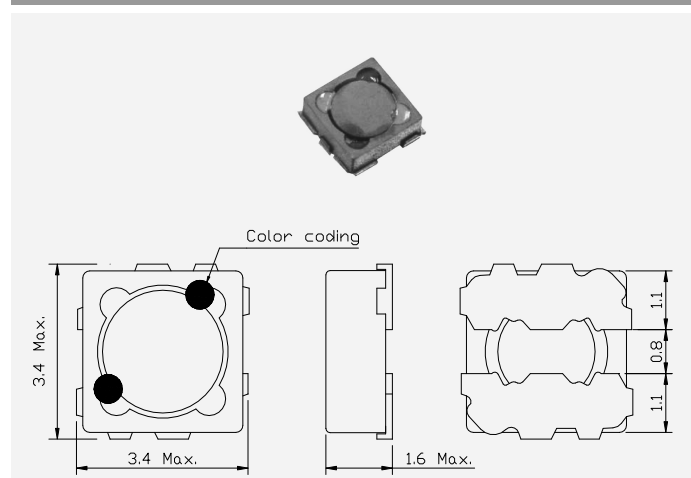
Packing unit : 1000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	I_{sat} (A)	I_{rms} (A)	DCR (Ω) (Max.)	Ordering code
1.0	$\pm 30\% = N$	0.001	3.00	2.00	0.059	SDS3015EHP-1R0N-LF
1.5		0.001	2.66	1.54	0.075	SDS3015EHP-1R5N-LF
2.2		0.001	2.10	1.28	0.102	SDS3015EHP-2R2N-LF
3.3		0.001	1.72	1.10	0.171	SDS3015EHP-3R3N-LF
3.9		0.001	1.56	1.02	0.178	SDS3015EHP-3R9N-LF
4.7		0.001	1.50	0.96	0.214	SDS3015EHP-4R7N-LF
6.8		0.001	1.30	0.84	0.295	SDS3015EHP-6R8N-LF
10	$\pm 20\% = M$	0.001	1.10	0.74	0.432	SDS3015EHP-100M-LF
15		0.001	0.86	0.60	0.621	SDS3015EHP-150M-LF
22		0.001	0.68	0.46	1.028	SDS3015EHP-220M-LF
47		0.001	0.44	0.26	2.177	SDS3015EHP-470M-LF

- I_{sat} : DC current at which the inductance drops 35% (typ.) from its value without current.
- I_{rms} : Current that causes the specified temperature rise from 25°C ambient.
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDS3015ELD



■ Size : 3.4x3.4x1.6 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Color coding

Delivery mode : Tape & reel packing

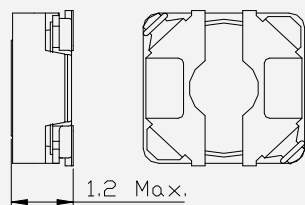
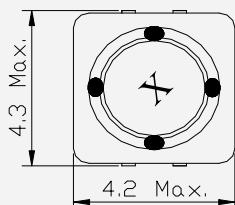
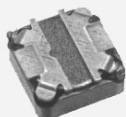
Packing unit : 1000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	I_{sat} (A) (Max.)	I_{rms} (A)	DCR (Ω) (Typ.)	Ordering code
1.0	$\pm 30\% = N$	0.1	1.40	1.80	0.038	SDS3015ELD-1R0N-LF
1.2		0.1	1.30	1.74	0.041	SDS3015ELD-1R2N-LF
1.5		0.1	1.22	1.70	0.046	SDS3015ELD-1R5N-LF
1.8		0.1	1.16	1.64	0.058	SDS3015ELD-1R8N-LF
2.2		0.1	1.10	1.60	0.066	SDS3015ELD-2R2N-LF
2.7		0.1	0.93	1.45	0.070	SDS3015ELD-2R7N-LF
3.3		0.1	0.90	1.24	0.091	SDS3015ELD-3R3N-LF
3.9		0.1	0.82	1.12	0.115	SDS3015ELD-3R9N-LF
4.7		0.1	0.74	1.10	0.132	SDS3015ELD-4R7N-LF
5.6		0.1	0.70	1.06	0.156	SDS3015ELD-5R6N-LF
6.8		0.1	0.62	1.00	0.166	SDS3015ELD-6R8N-LF
8.2	$\pm 20\% = M$	0.1	0.58	0.90	0.230	SDS3015ELD-8R2N-LF
10		0.1	0.50	0.80	0.244	SDS3015ELD-100M-LF
12		0.1	0.44	0.70	0.324	SDS3015ELD-120M-LF
15		0.1	0.42	0.70	0.370	SDS3015ELD-150M-LF
18		0.1	0.38	0.62	0.489	SDS3015ELD-180M-LF
22		0.1	0.34	0.48	0.450	SDS3015ELD-220M-LF

- I_{sat} : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms} : Current that causes the specified temperature rise from 25°C ambient.
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDS4012D



■ Size : 4.2x4.3x1.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Inductance symbol

Delivery mode : Tape & reel packing

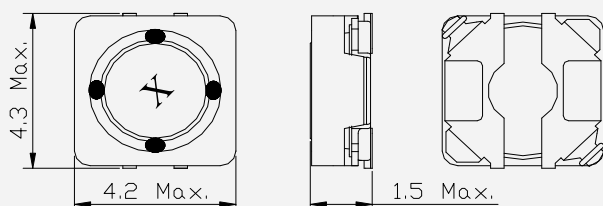
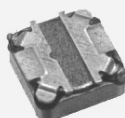
Packing unit : 3000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	Isat (A) (Max.)	Irms (A) (Max.)	DCR (Ω) Max.(Typ.)	Stamp	Ordering code
1.2	$\pm 30\% = N$	0.1	2.00	2.00	68.4m(57m)	B	SDS4012D-1R2N-LF
1.5		0.1	1.70	1.80	80.4m(67m)	C	SDS4012D-1R5N-LF
2.2		0.1	1.50	1.55	0.101(84m)	E	SDS4012D-2R2N-LF
3.3		0.1	1.30	1.25	0.120(0.10)	G	SDS4012D-3R3N-LF
4.7	$\pm 20\% = M$	0.1	1.10	1.15	0.168(0.14)	I	SDS4012D-4R7M-LF
6.8		0.1	1.00	1.05	0.204(0.17)	K	SDS4012D-6R8M-LF
8.2		0.1	0.90	1.00	0.252(0.21)	L	SDS4012D-8R2M-LF
10		0.1	0.75	0.90	0.312(0.26)	M	SDS4012D-100M-LF
12		0.1	0.66	0.85	0.360(0.30)	N	SDS4012D-120M-LF
15		0.1	0.70	0.75	0.468(0.39)	O	SDS4012D-150M-LF
18		0.1	0.60	0.60	0.540(0.45)	P	SDS4012D-180M-LF
22		0.1	0.57	0.50	0.780(0.65)	Q	SDS4012D-220M-LF
27		0.1	0.48	0.40	0.900(0.75)	R	SDS4012D-270M-LF
33		0.1	0.39	0.45	1.020(0.85)	S	SDS4012D-330M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes $\Delta 40^\circ\text{C}$. ($T_a = +25^\circ\text{C}$)
- Operating temperature range -40°C to $+125^\circ\text{C}$, Electrical specifications at 25°C .

SMT Power Inductors

SDS4015D



■ Size : 4.2x4.3x1.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Inductance symbol

Delivery mode : Tape & reel packing

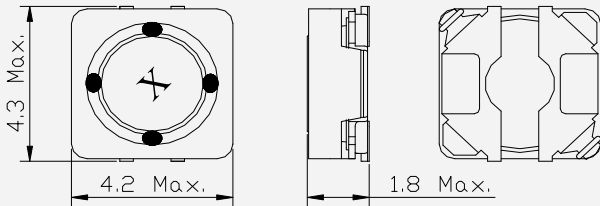
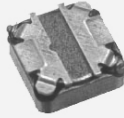
Packing unit : 3000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	IDC (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) Max.(Typ.)	Stamp	Ordering code
1.0	$\pm 0\%$ =N	0.1	2.0	2.0	51.6m(4m)	A	SDS4015D-1R0N-LF
1.5		0.1	2.00	2.05	60.0m(50m)	C	SDS4015D-1R5N-LF
2.2		0.1	1.70	1.85	68.4m(57m)	E	SDS4015D-2R2N-LF
3.3		0.1	1.0	1.60	96.0m(80m)	G	SDS4015D-3R3N-LF
4.7	$\pm 20\%$ =M	0.1	1.10	1.25	0.119(99m)	I	SDS4015D-4R7M-LF
6.8		0.1	1.00	1.15	0.156(0.1)	K	SDS4015D-6R8M-LF
10		0.1	0.78	1.00	0.228(0.19)	M	SDS4015D-100M-LF
15		0.1	0.6	0.88	0.6(0.28)	O	SDS4015D-150M-LF
22		0.1	0.57	0.80	0.408(0.4)	Q	SDS4015D-220M-LF
33		0.1	0.44	0.56	0.66(0.5)	S	SDS4015D-330M-LF
47		0.1	0.5	0.40	0.900(0.75)	U	SDS4015D-470M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes $\Delta 40^\circ\text{C}$. ($T_a = +25^\circ\text{C}$)
- Operating temperature range -40°C to $+125^\circ\text{C}$, Electrical specifications at 25°C .

SMT Power Inductors

SDS4018D



■ Size : 4.2x4.3x1.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Inductance symbol

Delivery mode : Tape & reel packing

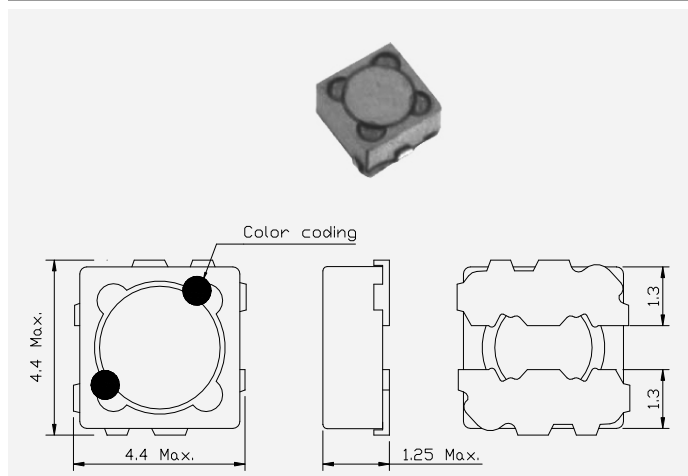
Packing unit : 3000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	IDC (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) Max.(Typ.)	Stamp	Ordering code
1.0	±0%=N	0.1	2.70	2.40	51.6m(41m)	A	SDS4018D-1R0N-LF
1.2		0.1	2.30	2.20	60.0m(46m)	B	SDS4018D-1R2N-LF
1.5		0.1	2.10	2.00	68.4m(51m)	C	SDS4018D-1R5N-LF
1.8		0.1	2.00	1.90	96.0m(59m)	D	SDS4018D-1R8N-LF
2.2		0.1	1.90	1.85	96.0m(59m)	E	SDS4018D-2R2N-LF
3.3		0.1	1.40	1.60	0.119(74m)	G	SDS4018D-3R3N-LF
3.9		0.1	1.30	1.50	0.156(82m)	H	SDS4018D-3R9N-LF
4.7	±20%=M	0.1	1.20	1.35	0.228(99m)	I	SDS4018D-4R7M-LF
5.6		0.1	1.10	1.25	0.336(0.11)	J	SDS4018D-5R6M-LF
6.8		0.1	1.00	1.20	0.408(0.13)	K	SDS4018D-6R8M-LF
8.2		0.1	0.90	1.10	0.636(0.14)	L	SDS4018D-8R2M-LF
10		0.1	0.85	1.00	0.900(0.15)	M	SDS4018D-100M-LF
12		0.1	0.80	0.95	0.228(0.22)	N	SDS4018D-120M-LF
15		0.1	0.70	0.90	0.336(0.24)	O	SDS4018D-150M-LF
18		0.1	0.65	0.85	0.408(0.26)	P	SDS4018D-180M-LF
22		0.1	0.55	0.75	0.636(0.37)	Q	SDS4018D-220M-LF
27		0.1	0.50	0.70	0.900(0.42)	R	SDS4018D-270M-LF
33		0.1	0.45	0.60	0.228(0.48)	S	SDS4018D-330M-LF
47		0.1	0.40	0.50	0.228(0.62)	U	SDS4018D-470M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. ($T_a = +25^{\circ}\text{C}$)
- Operating temperature range -40°C to $+125^{\circ}\text{C}$, Electrical specifications at 25°C .

SMT Power Inductors

SDS4212E



■ Size : 4.4x4.4x1.25 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Color coding

Delivery mode : Tape & reel packing

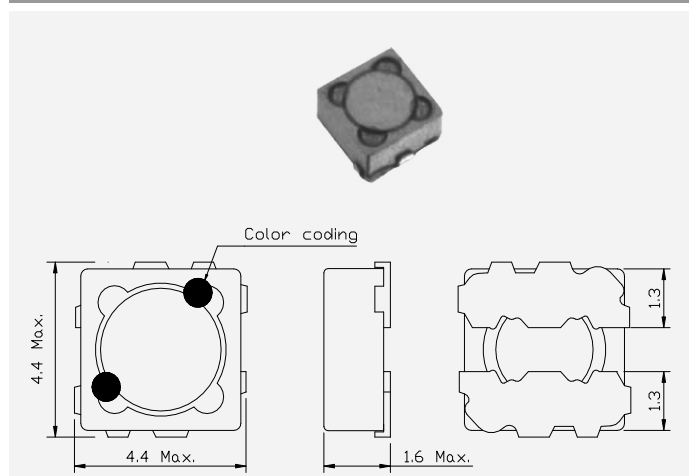
Packing unit : 1000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	I _{sat} (A)	I _{rms} (A)	DCR (Ω) (Typ.)	Ordering code
1.0	$\pm 30\% = N$	0.001	3.00	2.00	0.045	SDS4212E-1R0N-LF
1.2		0.001	2.80	1.90	0.048	SDS4212E-1R2N-LF
1.5		0.001	2.40	1.80	0.055	SDS4212E-1R5N-LF
1.8		0.001	2.30	1.75	0.073	SDS4212E-1R8N-LF
2.2		0.001	2.10	1.75	0.083	SDS4212E-2R2N-LF
2.7		0.001	1.70	1.44	0.109	SDS4212E-2R7N-LF
3.3		0.001	1.70	1.40	0.118	SDS4212E-3R3N-LF
3.9		0.001	1.60	1.30	0.143	SDS4212E-3R9N-LF
4.7		0.001	1.58	1.20	0.159	SDS4212E-4R7N-LF
5.6		0.001	1.30	1.00	0.213	SDS4212E-5R6N-LF
6.8		0.001	1.30	0.96	0.224	SDS4212E-6R8N-LF
8.2		0.001	1.14	0.94	0.252	SDS4212E-8R2N-LF
10	$\pm 20\% = M$	0.001	1.06	0.90	0.327	SDS4212E-100M-LF
12		0.001	0.98	0.82	0.363	SDS4212E-120M-LF
15		0.001	0.80	0.64	0.516	SDS4212E-150M-LF
18		0.001	0.76	0.60	0.625	SDS4212E-180M-LF
22		0.001	0.64	0.52	0.732	SDS4212E-220M-LF
33		0.001	0.50	0.42	1.165	SDS4212E-330M-LF

- I_{sat} : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: Current that causes the specified temperature rise from 25°C ambient.
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDS4215E



■ Size : 4.4x4.4x1.6 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Color coding

Delivery mode : Tape & reel packing

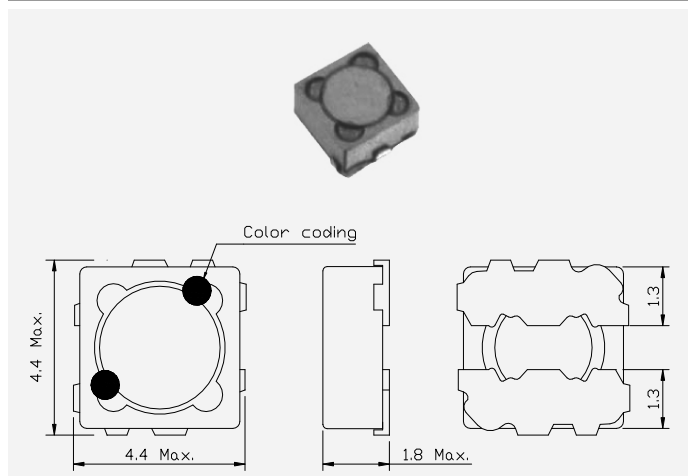
Packing unit : 1000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	IDC (A)	I _{rms} (A)	DCR (Ω) (Typ.)	Ordering code
1.0	$\pm 30\% = N$	0.001	3.00	2.40	0.040	SDS4215E-1R0N-LF
1.2		0.001	2.80	2.34	0.043	SDS4215E-1R2N-LF
1.5		0.001	2.60	2.30	0.050	SDS4215E-1R5N-LF
1.8		0.001	2.30	2.10	0.055	SDS4215E-1R8N-LF
2.2		0.001	2.20	2.00	0.071	SDS4215E-2R2N-LF
2.7		0.001	2.00	1.60	0.078	SDS4215E-2R7N-LF
3.3		0.001	2.00	1.60	0.087	SDS4215E-3R3N-LF
3.9		0.001	1.80	1.50	0.100	SDS4215E-3R9N-LF
4.7		0.001	1.60	1.40	0.137	SDS4215E-4R7N-LF
5.6		0.001	1.46	1.20	0.147	SDS4215E-5R6N-LF
6.8		0.001	1.40	1.15	0.170	SDS4215E-6R8N-LF
8.2		0.001	1.28	1.10	0.195	SDS4215E-8R2N-LF
10	$\pm 20\% = M$	0.001	1.16	1.02	0.228	SDS4215E-100M-LF
12		0.001	1.08	0.90	0.275	SDS4215E-120M-LF
15		0.001	0.86	0.72	0.340	SDS4215E-150M-LF
18		0.001	0.82	0.68	0.380	SDS4215E-180M-LF
22		0.001	0.74	0.65	0.495	SDS4215E-220M-LF
27		0.001	0.70	0.55	0.735	SDS4215E-270M-LF
33		0.001	0.58	0.48	0.890	SDS4215E-330M-LF
39		0.001	0.56	0.42	1.000	SDS4215E-390M-LF
47		0.001	0.52	0.35	1.150	SDS4215E-470M-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms} : Current that causes the specified temperature rise from 25°C ambient.
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDS4218E



■ Size : 4.4x4.4x1.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Color coding

Delivery mode : Tape & reel packing

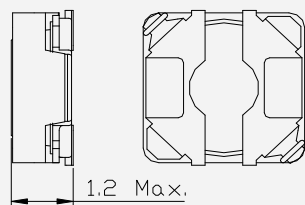
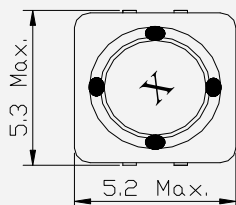
Packing unit : 1000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	IDC (A)	I _{rms} (A)	DCR (Ω) (Typ.)	Ordering code
1.0	$\pm 30\% = N$	0.001	3.20	2.40	0.038	SDS4218E-1R0N-LF
1.2		0.001	3.00	2.20	0.044	SDS4218E-1R2N-LF
1.5		0.001	2.70	2.20	0.050	SDS4218E-1R5N-LF
1.8		0.001	2.40	2.00	0.058	SDS4218E-1R8N-LF
2.2		0.001	2.20	1.90	0.062	SDS4218E-2R2N-LF
2.7		0.001	2.10	1.80	0.068	SDS4218E-2R7N-LF
3.3		0.001	1.88	1.65	0.080	SDS4218E-3R3N-LF
3.9		0.001	1.80	1.56	0.084	SDS4218E-3R9N-LF
4.7		0.001	1.46	1.45	0.099	SDS4218E-4R7N-LF
5.6		0.001	1.48	1.30	0.110	SDS4218E-5R6N-LF
6.8		0.001	1.26	1.20	0.128	SDS4218E-6R8N-LF
8.2		0.001	1.24	1.15	0.146	SDS4218E-8R2N-LF
10	$\pm 20\% = M$	0.001	1.10	1.05	0.165	SDS4218E-100M-LF
12		0.001	1.00	0.80	0.254	SDS4218E-120M-LF
15		0.001	0.88	0.72	0.320	SDS4218E-150M-LF
18		0.001	0.84	0.68	0.360	SDS4218E-180M-LF
22		0.001	0.74	0.65	0.418	SDS4218E-220M-LF
27		0.001	0.70	0.60	0.450	SDS4218E-270M-LF
33		0.001	0.58	0.58	0.620	SDS4218E-330M-LF
39		0.001	0.56	0.48	0.650	SDS4218E-390M-LF
47		0.001	0.52	0.45	0.790	SDS4218E-470M-LF
56		0.001	0.48	0.40	0.862	SDS4218E-560M-LF
68		0.001	0.40	0.36	0.975	SDS4218E-680M-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: Current that causes the specified temperature rise from 25°C ambient.
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDS5012D



■ Size : 5.2x5.3x1.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Inductance symbol

Delivery mode : Tape & reel packing

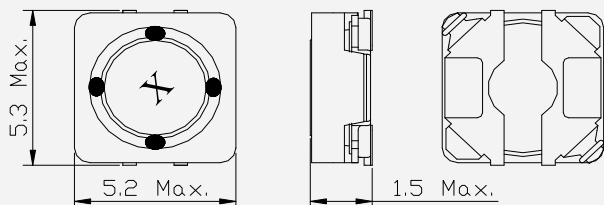
Packing unit : 3000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	I_{sat} (A) (Max.)	I_{rms} (A) (Max.)	DCR (Ω) Max.(Typ.)	Stamp	Ordering code
1.0	$\pm 30\% = N$	0.1	2.50	2.30	54.0m(45m)	A	SDS5012D-1R0N-LF
1.5		0.1	2.10	2.00	62.4m(52m)	C	SDS5012D-1R5N-LF
2.2		0.1	1.70	1.70	85.2m(71m)	E	SDS5012D-2R2N-LF
3.3		0.1	1.40	1.50	96.0m(80m)	G	SDS5012D-3R3N-LF
4.7	$\pm 20\% = M$	0.1	1.30	1.30	0.144(0.12)	I	SDS5012D-4R7M-LF
6.8		0.1	1.00	1.10	0.180(0.15)	K	SDS5012D-6R8M-LF
10		0.1	0.75	1.00	0.264(0.22)	M	SDS5012D-100M-LF
15		0.1	0.65	0.85	0.384(0.32)	O	SDS5012D-150M-LF
22		0.1	0.53	0.70	0.480(0.43)	Q	SDS5012D-220M-LF
33		0.1	0.42	0.50	0.816(0.68)	S	SDS5012D-330M-LF
47		0.1	0.30	0.38	1.260(1.05)	U	SDS5012D-470M-LF

- I_{sat} : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : The actual current when temperature of coil becomes $\Delta 40^\circ\text{C}$. ($T_a = +25^\circ\text{C}$)
- Operating temperature range -40°C to $+125^\circ\text{C}$, Electrical specifications at 25°C .

SMT Power Inductors

SDS5015D



■ Size : 5.2x5.3x1.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Inductance symbol

Delivery mode : Tape & reel packing

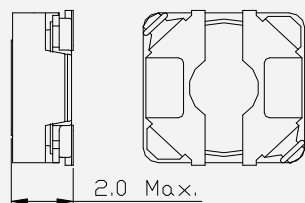
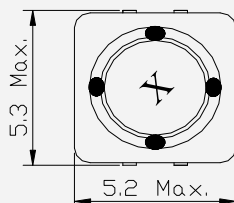
Packing unit : 3000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	IDC (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) Max.(Typ.)	Stamp	Ordering code
2.7	±30%=N	0.1	1.70	2.00	80.4m(67m)	F	SDS5015D-2R7N-LF
3.3		0.1	1.50	1.80	91.2m(76m)	G	SDS5015D-3R3N-LF
4.7	±20%=M	0.1	1.20	1.60	0.115(96m)	I	SDS5015D-4R7M-LF
6.8		0.1	1.00	1.50	0.132(0.11)	K	SDS5015D-6R8M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes $\Delta 0^\circ\text{C}$. (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDS5020D



■ Size : 5.2x5.3x2.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Inductance symbol

Delivery mode : Tape & reel packing

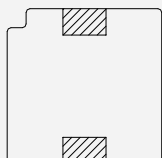
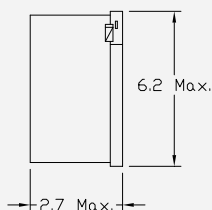
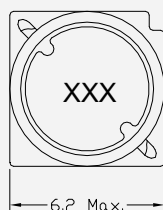
Packing unit : 3000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	IDC (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) Max.(Typ.)	Stamp	Ordering code
1.0	$\pm 30\%$ =N $\pm 20\%$ =M	0.1	3.80	2.60	51.6m(43m)	A	SDS5020D-1R0N-LF
2.7		0.1	2.10	2.00	90.0m(75m)	F	SDS5020D-2R7N-LF
4.7		0.1	1.80	1.70	0.120(0.10)	I	SDS5020D-4R7M-LF
22		0.1	0.75	1.25	0.276(0.23)	Q	SDS5020D-220M-LF
47		0.1	0.55	0.75	0.480(0.40)	U	SDS5020D-470M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes $\Delta 0^\circ\text{C}$. (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SBS6025



■ Size : 6.2x6.2x2.7 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

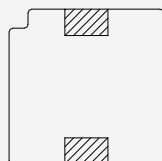
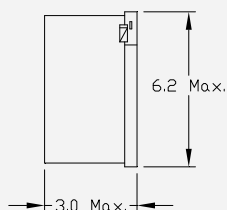
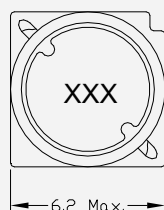
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) (Max.)	Ordering code
4.7	±20%=M	0.1	1.5	1.5	0.0367	SBS6025-4R7M-LF
6.8		0.1	1.3	1.5	0.0531	SBS6025-6R8M-LF
10		0.1	1.0	1.3	0.0688	SBS6025-100M-LF
15		0.1	0.88	1.1	0.102	SBS6025-150M-LF
22		0.1	0.73	0.94	0.146	SBS6025-220M-LF
33		0.1	0.59	0.79	0.216	SBS6025-330M-LF
47		0.1	0.48	0.67	0.288	SBS6025-470M-LF
68		0.1	0.42	0.54	0.444	SBS6025-680M-LF
100		0.1	0.33	0.47	0.600	SBS6025-101M-LF

- DC current at which the inductance drops 30% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SBS6028



■ Size : 6.2x6.2x3.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

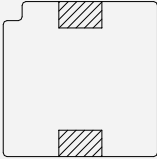
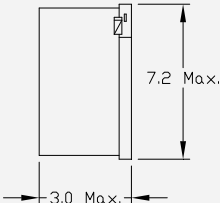
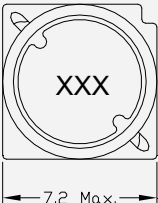
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) (Max.)	Ordering code
4.7	±20%=M	0.1	1.6	2.5	0.0340	SBS6028-4R7M-LF
6.8		0.1	1.5	2.2	0.0424	SBS6028-6R8M-LF
10		0.1	1.3	1.8	0.0638	SBS6028-100M-LF
15		0.1	1.0	1.4	0.0894	SBS6028-150M-LF
22		0.1	0.77	1.3	0.124	SBS6028-220M-LF
33		0.1	0.69	1.0	0.177	SBS6028-330M-LF
47		0.1	0.59	0.92	0.252	SBS6028-470M-LF
68		0.1	0.50	0.78	0.348	SBS6028-680M-LF
100		0.1	0.42	0.64	0.516	SBS6028-101M-LF

- DC current at which the inductance drops 30% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SBS7028



- Size : 7.2x7.2x3.0 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

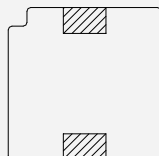
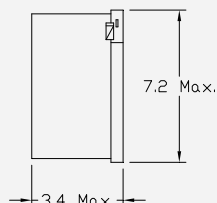
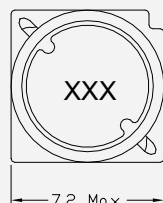
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
3.3	±20%=M	0.1	1.6	0.0444	SBS7028-3R3M-LF
4.7		0.1	1.5	0.0540	SBS7028-4R7M-LF
6.8		0.1	1.3	0.0708	SBS7028-6R8M-LF
10		0.1	1.1	0.0996	SBS7028-100M-LF
15		0.1	0.88	0.156	SBS7028-150M-LF
22		0.1	0.75	0.216	SBS7028-220M-LF
33		0.1	0.65	0.288	SBS7028-330M-LF
47		0.1	0.54	0.408	SBS7028-470M-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40℃ to +125℃.
- Electrical specifications at 25℃.

SMT Power Inductors

SBS7032



■ Size : 7.2x7.2x3.4 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

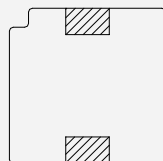
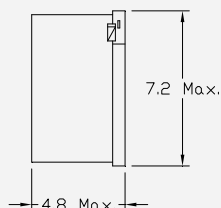
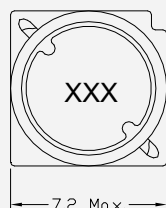
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
3.3	±20%=M	0.1	1.9	0.0276	SBS7032-3R3M-LF
4.7		0.1	1.7	0.0432	SBS7032-4R7M-LF
6.8		0.1	1.6	0.0492	SBS7032-6R8M-LF
10		0.1	1.4	0.0636	SBS7032-100M-LF
15		0.1	1.1	0.090	SBS7032-150M-LF
22		0.1	0.96	0.132	SBS7032-220M-LF
33		0.1	0.75	0.192	SBS7032-330M-LF
47		0.1	0.67	0.288	SBS7032-470M-LF
68		0.1	0.59	0.372	SBS7032-680M-LF
100		0.1	0.45	0.54	SBS7032-101M-LF
150		0.1	0.37	0.78	SBS7032-151M-LF
220		0.1	0.29	1.26	SBS7032-221M-LF
330		0.1	0.22	2.01	SBS7032-331M-LF
470		0.1	0.20	2.46	SBS7032-471M-LF
680		0.1	0.16	3.78	SBS7032-681M-LF
1000		0.1	0.13	5.74	SBS7032-102M-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SBS7045



■ Size : 7.2x7.2x4.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

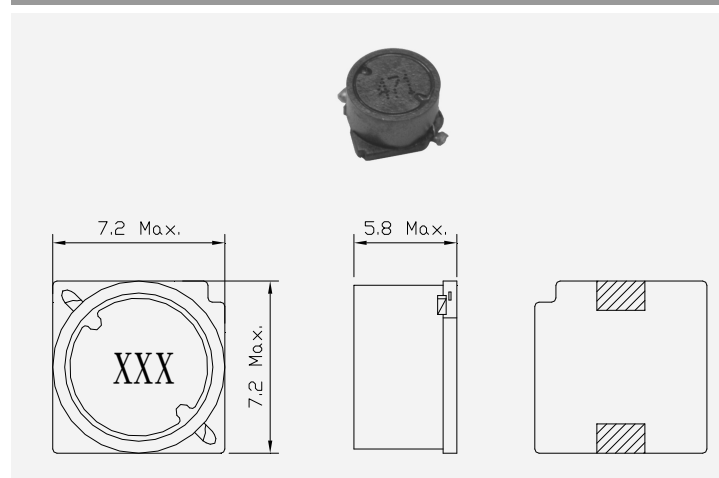
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) (Max.)	Ordering code
3.3	±20%=M	0.001	2.5	2.3	0.0240	SBS7045-3R3M-LF
4.7		0.001	2.0	2.1	0.0360	SBS7045-4R7M-LF
6.8		0.001	1.7	1.74	0.0468	SBS7045-6R8M-LF
10		0.001	1.3	1.78	0.0432	SBS7045-100M-LF
15		0.001	1.1	1.53	0.0624	SBS7045-150M-LF
22		0.001	0.9	1.34	0.0732	SBS7045-220M-LF
33		0.001	0.82	1.09	0.1152	SBS7045-330M-LF
47		0.001	0.75	0.92	0.150	SBS7045-470M-LF
68		0.001	0.60	0.77	0.210	SBS7045-680M-LF
100		0.001	0.50	0.65	0.300	SBS7045-101M-LF
150		0.001	0.40	0.55	0.408	SBS7045-151M-LF
220		0.001	0.33	0.45	0.624	SBS7045-221M-LF
330		0.001	0.25	0.37	0.888	SBS7045-331M-LF
470		0.001	0.22	0.31	1.260	SBS7045-471M-LF
680		0.001	0.20	0.27	1.776	SBS7045-681M-LF
1000		0.001	0.14	0.25	2.736	SBS7045-102M-LF

- DC current at which the inductance drops 30% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C .

SMT Power Inductors

SBS7055



■ Size : 7.2x7.2x5.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

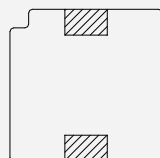
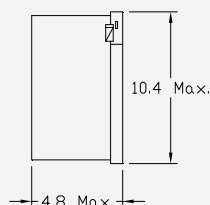
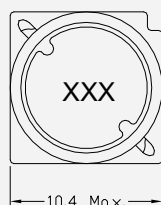
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
1.5	±30%=N	0.1	6.2	4.0	22.62	SBS7055-1R5N-LF
2.2		0.1	5.3	3.5	28.21	SBS7055-2R2N-LF
3.3		0.1	4.3	3.3	31.20	SBS7055-3R3N-LF
4.7		0.1	3.6	3.1	36.40	SBS7055-4R7N-LF
6.8		0.1	3.0	2.8	44.20	SBS7055-6R8N-LF
10	±20%=M	0.1	2.6	2.5	50.83	SBS7055-100M-LF
15		0.1	2.1	2.2	66.04	SBS7055-150M-LF
22		0.1	1.7	2.0	83.59	SBS7055-220M-LF

- DC current at which the inductance drops 30% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SBS10145



■ Size : 10.4x10.4x4.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

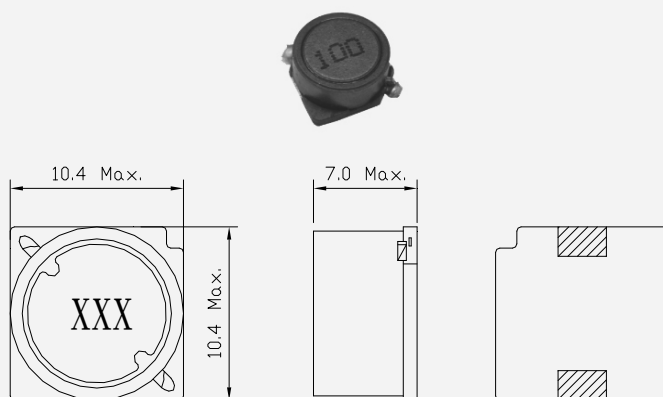
Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) (Max.)	Ordering code
3.3	±30%=N	0.001	4.9	3.7	0.0193	SBS10145-3R3N-LF
5.6	±20%=M	0.001	3.8	3.2	0.0264	SBS10145-5R6M-LF
10		0.001	3.0	2.5	0.0436	SBS10145-100M-LF
15		0.001	2.4	2.2	0.0566	SBS10145-150M-LF
22		0.001	2.1	1.9	0.0709	SBS10145-220M-LF
33		0.001	1.6	1.7	0.0978	SBS10145-330M-LF
47		0.001	1.4	1.5	0.120	SBS10145-470M-LF
68		0.001	1.2	1.3	0.168	SBS10145-680M-LF
100		0.001	1.0	1.1	0.240	SBS10145-101M-LF
150		0.001	0.79	0.81	0.420	SBS10145-151M-LF
220		0.001	0.65	0.80	0.564	SBS10145-221M-LF
330		0.001	0.54	0.58	0.816	SBS10145-331M-LF
470		0.001	0.47	0.47	1.236	SBS10145-471M-LF
680		0.001	0.38	0.38	1.92	SBS10145-681M-LF
1000		0.001	0.32	0.29	3.36	SBS10145-102M-LF
1500		0.001	0.22	0.26	4.08	SBS10145-152M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. ($T_a = +25^{\circ}\text{C}$)
- Operating temperature range -40°C to $+125^{\circ}\text{C}$.
- Electrical specifications at 25°C .

SMT Power Inductors

SBS10165



■ Size : 10.4x10.4x7.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
1.5	±30%=N	0.1	10.7	6.80	8.71	SBS10165-1R5N-LF
2.2		0.1	8.90	6.30	10.92	SBS10165-2R2N-LF
3.3		0.1	7.80	5.80	12.48	SBS10165-3R3N-LF
4.7		0.1	6.10	4.70	15.21	SBS10165-4R7N-LF
6.8		0.1	4.60	4.30	18.20	SBS10165-6R8N-LF
10	±20%=M	0.1	4.10	3.80	24.05	SBS10165-100M-LF
15		0.1	3.10	3.10	35.10	SBS10165-150M-LF
22		0.1	2.70	2.40	58.24	SBS10165-220M-LF

- Isat : DC current at which the inductance drops 10% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SBS12555



- Size : 12.8x12.8x5.8 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

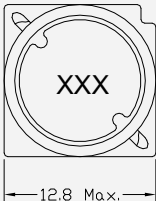
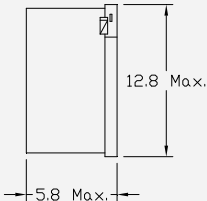
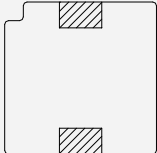
Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

Packing unit : 400 pcs/reel

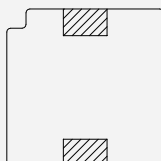
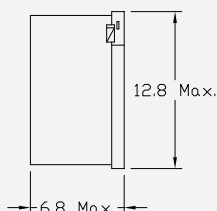
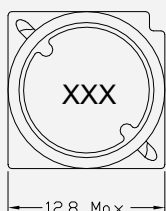




INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
6.0	±30%=N	0.001	3.6	0.0164	SBS12555-6R0N-LF
10	±20%=M	0.001	3.4	0.0215	SBS12555-100M-LF
15		0.001	2.8	0.0259	SBS12555-150M-LF
22		0.001	2.3	0.0338	SBS12555-220M-LF
33		0.001	1.9	0.0415	SBS12555-330M-LF
47		0.001	1.6	0.0618	SBS12555-470M-LF
68		0.001	1.3	0.0832	SBS12555-680M-LF
100		0.001	1.1	0.1170	SBS12555-101M-LF
150		0.001	0.88	0.19	SBS12555-151M-LF
220		0.001	0.72	0.27	SBS12555-221M-LF
330		0.001	0.59	0.41	SBS12555-331M-LF
470		0.001	0.49	0.52	SBS12555-471M-LF
680		0.001	0.43	0.76	SBS12555-681M-LF
1000		0.001	0.34	1.12	SBS12555-102M-LF
1500		0.001	0.29	1.73	SBS12555-152M-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SBS12565



■ Size : 12.8x12.8x6.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

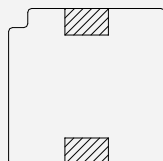
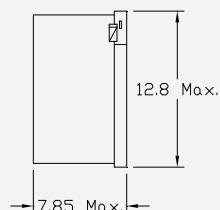
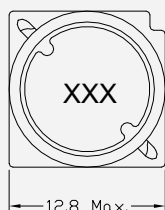
Packing unit : 400 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
2.0	±30%=N	0.001	10.0	0.0014	SBS12565-2R0N-LF
4.2		0.001	7.3	0.0018	SBS12565-4R2N-LF
7.0		0.001	5.7	0.0213	SBS12565-7R0N-LF
10	±20%=M	0.001	5.0	0.0243	SBS12565-100M-LF
15		0.001	4.2	0.0285	SBS12565-150M-LF
22		0.001	3.5	0.0380	SBS12565-220M-LF
33		0.001	2.8	0.0488	SBS12565-330M-LF
47		0.001	2.4	0.0694	SBS12565-470M-LF
68		0.001	2.0	0.0945	SBS12565-680M-LF
100		0.001	1.6	0.1476	SBS12565-101M-LF
220		0.001	1.0	0.3276	SBS12565-221M-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SBS12575



■ Size : 12.8x12.8x7.85 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

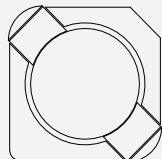
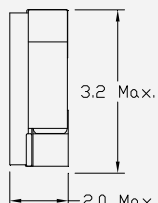
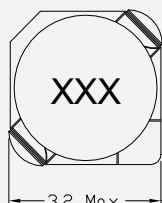
Packing unit : 400 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.2	±30%=N	0.001	13	0.0083	SBS12575-1R2N-LF
2.7		0.001	10	0.0113	SBS12575-2R7N-LF
3.9		0.001	9.0	0.0125	SBS12575-3R9N-LF
5.6		0.001	7.8	0.0139	SBS12575-5R6N-LF
6.8		0.001	7.2	0.0157	SBS12575-6R8N-LF
10	±20%=M	0.001	5.5	0.0187	SBS12575-100M-LF
15		0.001	4.7	0.0221	SBS12575-150M-LF
22		0.001	4.0	0.0316	SBS12575-220M-LF
33		0.001	3.2	0.0474	SBS12575-330M-LF
47		0.001	2.7	0.0634	SBS12575-470M-LF
68		0.001	2.0	0.0935	SBS12575-680M-LF
100		0.001	1.9	0.150	SBS12575-101M-LF
150		0.001	1.5	0.210	SBS12575-151M-LF
220		0.001	1.3	0.309	SBS12575-221M-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SDC2D18HP



■ Size : 3.2x3.2x2.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

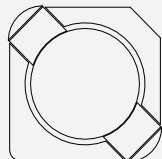
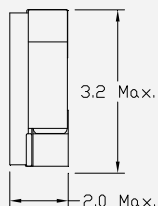
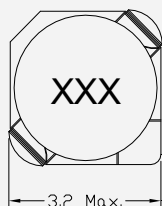
Packing unit : 3500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	Irms (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
1.7	±30%=N	0.1	1.85	2.20	44	SDC2D18HP-1R7N-LF
2.2		0.1	1.60	1.90	60	SDC2D18HP-2R2N-LF
3.3		0.1	1.45	1.55	86	SDC2D18HP-3R3N-LF
4.7		0.1	1.20	1.20	140	SDC2D18HP-4R7N-LF
6.3		0.1	1.05	1.15	160	SDC2D18HP-6R3N-LF
10		0.1	0.85	0.90	245	SDC2D18HP-100N-LF
15		0.1	0.70	0.64	345	SDC2D18HP-150N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC2D18LD



■ Size : 3.2x3.2x2.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

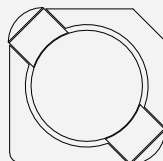
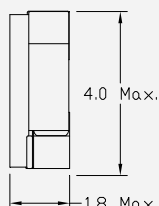
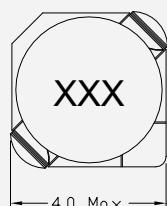
Packing unit : 3500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
2.2	±30%=N	0.1	0.85	2.30	41	SDC2D18LD-2R2N-LF
3.3		0.1	0.75	2.10	54	SDC2D18LD-3R3N-LF
4.7		0.1	0.63	1.65	78	SDC2D18LD-4R7N-LF
6.8		0.1	0.52	1.32	106	SDC2D18LD-6R8N-LF
10		0.1	0.43	1.00	180	SDC2D18LD-100N-LF
15		0.1	0.35	0.80	220	SDC2D18LD-150N-LF
22		0.1	0.30	0.68	320	SDC2D18LD-220N-LF
33		0.1	0.24	0.56	460	SDC2D18LD-330N-LF
47		0.1	0.20	0.48	660	SDC2D18LD-470N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC3D16HP



■ Size : 4.0x4.0x1.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

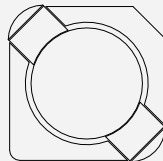
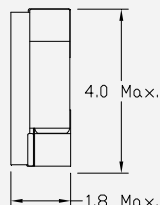
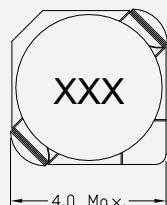
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
1.7	±30%=N	0.1	2.00	2.40	51	SDC3D16HP-1R7N-LF
2.2		0.1	1.75	2.30	59	SDC3D16HP-2R2N-LF
3.3		0.1	1.40	1.80	85	SDC3D16HP-3R3N-LF
4.7		0.1	1.20	1.50	116	SDC3D16HP-4R7N-LF
6.8	±20%=M	0.1	1.00	1.10	180	SDC3D16HP-6R8N-LF
10		0.1	0.84	1.00	230	SDC3D16HP-100M-LF
15		0.1	0.65	0.75	410	SDC3D16HP-150M-LF
22		0.1	0.55	0.52	610	SDC3D16HP-220M-LF
33		0.1	0.46	0.41	870	SDC3D16HP-330M-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC3D16LD



■ Size : 4.0x4.0x1.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

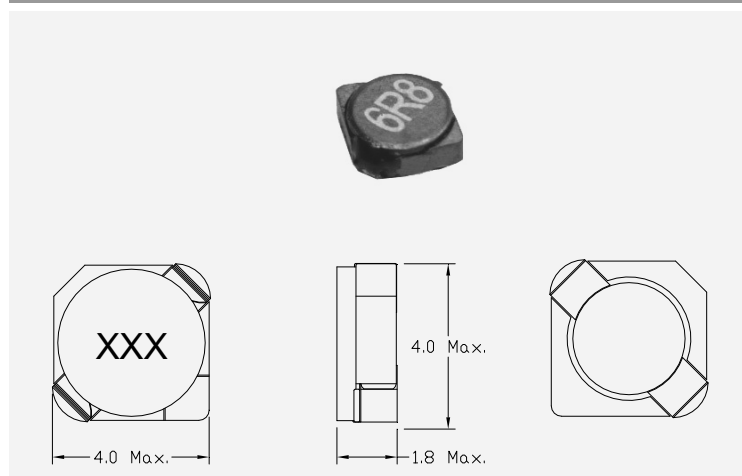
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR(mΩ) (Max.)	Ordering code
3.3	±30%=N	0.1	0.80	2.00	66	SDC3D16LD-3R3N-LF
3.9		0.1	0.75	1.75	81	SDC3D16LD-3R9N-LF
4.7		0.1	0.68	1.72	91	SDC3D16LD-4R7N-LF
5.6		0.1	0.62	1.64	102	SDC3D16LD-5R6N-LF
6.8		0.1	0.58	1.30	130	SDC3D16LD-6R8N-LF
8.2		0.1	0.51	1.28	140	SDC3D16LD-8R2N-LF
10		0.1	0.46	1.07	190	SDC3D16LD-100N-LF
12		0.1	0.42	0.98	205	SDC3D16LD-120N-LF
15		0.1	0.38	0.87	272	SDC3D16LD-150N-LF
18		0.1	0.34	0.76	327	SDC3D16LD-180N-LF
22		0.1	0.31	0.66	356	SDC3D16LD-220N-LF
27		0.1	0.28	0.60	470	SDC3D16LD-270N-LF
33		0.1	0.26	0.55	560	SDC3D16LD-330N-LF
39		0.1	0.24	0.47	700	SDC3D16LD-390N-LF
47		0.1	0.21	0.45	775	SDC3D16LD-470N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC3D16



■ Size : 4.0x4.0x1.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

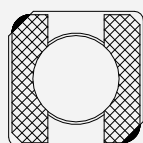
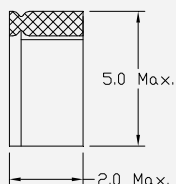
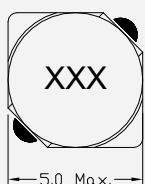
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
1.5	±30%=N	0.1	1.55	1.55	52	SDC3D16-1R5N-LF
2.2		0.1	1.20	1.20	72	SDC3D16-2R2N-LF
3.3		0.1	1.10	1.10	85	SDC3D16-3R3N-LF
4.7		0.1	0.90	0.90	105	SDC3D16-4R7N-LF
6.8		0.1	0.73	0.73	170	SDC3D16-6R8N-LF
10		0.1	0.55	0.55	210	SDC3D16-100N-LF
15		0.1	0.45	0.45	295	SDC3D16-150N-LF
22		0.1	0.40	0.40	430	SDC3D16-220N-LF
33		0.1	0.32	0.32	675	SDC3D16-330N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC4D18



■ Size : 5.0x5.0x2.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

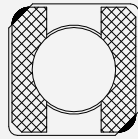
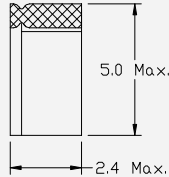
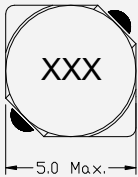
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A)	DCR (mΩ) (Max.)	Ordering code
1.0	±30%=N	7.96	1.72	45	SDC4D18-1R0N-LF
2.2		7.96	1.32	75	SDC4D18-2R2N-LF
2.7		7.96	1.28	105	SDC4D18-2R7N-LF
3.3		7.96	1.04	110	SDC4D18-3R3N-LF
3.9		7.96	0.88	155	SDC4D18-3R9N-LF
4.7		7.96	0.84	162	SDC4D18-4R7N-LF
5.6		7.96	0.80	170	SDC4D18-5R6N-LF
6.8		7.96	0.76	180	SDC4D18-6R8N-LF
8.2		7.96	0.68	190	SDC4D18-8R2N-LF
10		0.1	0.61	200	SDC4D18-100N-LF
12		0.1	0.56	210	SDC4D18-120N-LF
15		0.1	0.50	240	SDC4D18-150N-LF
18		0.1	0.48	338	SDC4D18-180N-LF
22	±20%=M	0.1	0.41	397	SDC4D18-220M-LF
27		0.1	0.35	441	SDC4D18-270M-LF
33		0.1	0.32	694	SDC4D18-330M-LF
39		0.1	0.30	709	SDC4D18-390M-LF

- DC current at which the inductance drops 35% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SDC4D22HP



■ Size : 5.0x5.0x2.4 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

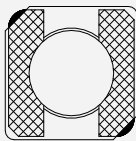
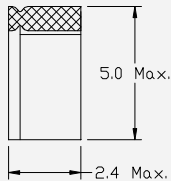
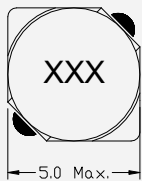
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A)	I _{rms} (A)	DCR(Ω) (Max.)	Ordering code
1.2	±30%=N	0.1	4.20	3.20	26.5m	SDC4D22HP-1R2N-LF
1.5		0.1	3.90	3.00	31.3m	SDC4D22HP-1R5N-LF
2.2		0.1	3.20	2.40	44.3m	SDC4D22HP-2R2N-LF
2.7		0.1	2.80	2.20	57.8m	SDC4D22HP-2R7N-LF
3.5		0.1	2.50	2.00	65.1m	SDC4D22HP-3R5N-LF
4.7		0.1	2.20	1.80	82.6m	SDC4D22HP-4R7N-LF
5.2		0.1	2.00	1.70	92.8m	SDC4D22HP-5R2N-LF
6.3		0.1	1.85	1.40	0.110	SDC4D22HP-6R3N-LF
8.2		0.1	1.65	1.35	0.128	SDC4D22HP-8R2N-LF
10		0.1	1.50	1.30	0.144	SDC4D22HP-100N-LF
12		0.1	1.30	1.10	0.187	SDC4D22HP-120N-LF
15		0.1	1.20	0.85	0.213	SDC4D22HP-150N-LF
18		0.1	1.10	0.80	0.239	SDC4D22HP-180N-LF
22		0.1	1.05	0.90	0.267	SDC4D22HP-220N-LF
27		0.1	0.90	0.70	0.394	SDC4D22HP-270N-LF
33		0.1	0.80	0.65	0.449	SDC4D22HP-330N-LF
39		0.1	0.75	0.52	0.668	SDC4D22HP-390N-LF
47		0.1	0.70	0.50	0.723	SDC4D22HP-470N-LF
56		0.1	0.65	0.48	0.810	SDC4D22HP-560N-LF
68		0.1	0.60	0.45	0.923	SDC4D22HP-680N-LF
82		0.1	0.55	0.40	1.220	SDC4D22HP-820N-LF
100		0.1	0.48	0.35	1.370	SDC4D22HP-101N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC4D22



■ Size : 5.0x5.0x2.4 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

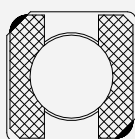
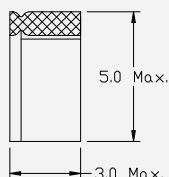
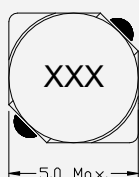
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A)	I _{rms} (A)	DCR(Ω)	Ordering code
1.5	±30%=N	0.1	2.00	4.20	18.3m	SDC4D22-1R5N-LF
1.8		0.1	1.90	3.70	21.6m	SDC4D22-1R8N-LF
2.3		0.1	1.80	3.60	25.4m	SDC4D22-2R3N-LF
3.3		0.1	1.40	3.07	35.1m	SDC4D22-3R3N-LF
3.9		0.1	1.30	3.04	40.2m	SDC4D22-3R9N-LF
4.7		0.1	1.10	2.08	55.9m	SDC4D22-4R7N-LF
5.6		0.1	1.05	2.05	62.0m	SDC4D22-5R6N-LF
6.8		0.1	1.00	1.95	88.0m	SDC4D22-6R8N-LF
8.2		0.1	0.90	1.85	96.5m	SDC4D22-8R2N-LF
10		0.1	0.80	1.82	0.102	SDC4D22-100N-LF
12		0.1	0.75	1.80	0.110	SDC4D22-120N-LF
15		0.1	0.68	1.59	0.127	SDC4D22-150N-LF
18		0.1	0.60	1.41	0.169	SDC4D22-180N-LF
22		0.1	0.54	1.32	0.200	SDC4D22-220N-LF
27		0.1	0.51	1.04	0.283	SDC4D22-270N-LF
33		0.1	0.48	1.02	0.326	SDC4D22-330N-LF
39		0.1	0.43	0.85	0.451	SDC4D22-390N-LF
47		0.1	0.38	0.82	0.500	SDC4D22-470N-LF
56		0.1	0.36	0.72	0.555	SDC4D22-560N-LF
68		0.1	0.33	0.67	0.634	SDC4D22-680N-LF
82		0.1	0.30	0.58	0.795	SDC4D22-820N-LF
100		0.1	0.25	0.55	0.880	SDC4D22-101N-LF
120		0.1	0.23	0.52	1.140	SDC4D22-121N-LF
150		0.1	0.21	0.47	1.350	SDC4D22-151N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. ($T_a = +25^{\circ}\text{C}$)
- Operating temperature range -40°C to $+125^{\circ}\text{C}$, Electrical specifications at 25°C .

SMT Power Inductors

SDC4D28



■ Size : 5.0x5.0x3.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

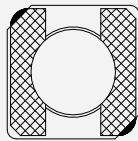
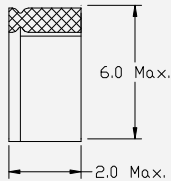
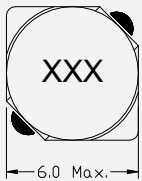
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A)	DCR (mΩ) (Max.)	Ordering code
1.2	±30%=N	0.1	2.56	23.6	SDC4D28-1R2N-LF
1.8		0.1	2.20	27.5	SDC4D28-1R8N-LF
2.2		0.1	2.04	31.3	SDC4D28-2R2N-LF
2.7		0.1	1.60	43.3	SDC4D28-2R7N-LF
3.3		0.1	1.57	49.2	SDC4D28-3R3N-LF
3.9		0.1	1.44	64.8	SDC4D28-3R9N-LF
4.7		0.1	1.32	72.0	SDC4D28-4R7N-LF
5.6		0.1	1.17	100.9	SDC4D28-5R6N-LF
6.8		0.1	1.12	108.9	SDC4D28-6R8N-LF
8.2		0.1	1.04	117.5	SDC4D28-8R2N-LF
10		0.1	1.00	128.3	SDC4D28-100N-LF
12		0.1	0.84	131.6	SDC4D28-120N-LF
15		0.1	0.76	149.0	SDC4D28-150N-LF
18		0.1	0.72	166.0	SDC4D28-180N-LF
22	±20%=M	0.1	0.70	235.0	SDC4D28-220M-LF
27		0.1	0.58	261.0	SDC4D28-270M-LF
33		0.1	0.56	331.3	SDC4D28-330M-LF
39		0.1	0.50	383.7	SDC4D28-390M-LF
47		0.1	0.48	587.0	SDC4D28-470M-LF
56		0.1	0.41	624.5	SDC4D28-560M-LF
68		0.1	0.35	699.0	SDC4D28-680M-LF
82		0.1	0.32	914.8	SDC4D28-820M-LF
100		0.1	0.29	1020.0	SDC4D28-101M-LF
120		0.1	0.27	1270.0	SDC4D28-121M-LF
150		0.1	0.24	1350.0	SDC4D28-151M-LF
180		0.1	0.22	1540.0	SDC4D28-181M-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC5D18



■ Size : 6.0x6.0x2.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

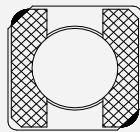
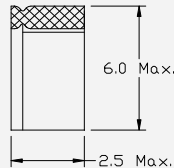
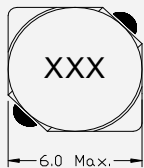
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A)	DCR (mΩ) (Max.)	Ordering code
4.1	±30%=N	0.01	2.56	23.6	SDC5D18-4R1N-LF
4.7		0.01	2.20	27.5	SDC5D18-4R7N-LF
5.4		0.01	2.04	31.3	SDC5D18-5R4N-LF
5.6		0.01	1.60	43.3	SDC5D18-5R6N-LF
6.2		0.01	1.57	49.2	SDC5D18-6R2N-LF
6.8		0.01	1.44	64.8	SDC5D18-6R8N-LF
8.2		0.01	1.32	72.0	SDC5D18-8R2N-LF
8.9		0.01	1.17	100.9	SDC5D18-8R9N-LF
10		0.01	1.12	108.9	SDC5D18-100N-LF
12		0.01	1.04	117.5	SDC5D18-120N-LF
15		0.01	1.00	128.3	SDC5D18-150N-LF
18		0.01	0.84	131.6	SDC5D18-180N-LF
22	±20%=M	0.01	0.76	149.0	SDC5D18-220M-LF
27		0.01	0.72	166.0	SDC5D18-270M-LF
33		0.01	0.70	235.0	SDC5D18-330M-LF
39		0.01	0.58	261.0	SDC5D18-390M-LF
47		0.01	0.56	331.3	SDC5D18-470M-LF
56		0.01	0.50	383.7	SDC5D18-560M-LF
68		0.01	0.48	587.0	SDC5D18-680M-LF
82		0.01	0.41	624.5	SDC5D18-820M-LF
100		0.01	0.35	699.0	SDC5D18-101M-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. ($T_a=+25^{\circ}\text{C}$)
- Operating temperature range -40°C to $+125^{\circ}\text{C}$, Electrical specifications at 25°C .

SMT Power Inductors

SDC5D23



■ Size : 6.0x6.0x2.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

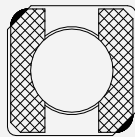
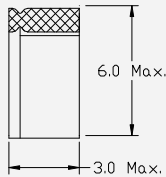
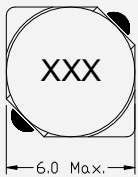
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	SRF (MHz) (Typ.)	Ordering code
1.2	±30%=N	0.1	5.40	1.65	0.040	178	SDC5D23-1R2N-LF
2.2		0.1	4.10	1.40	0.045	100	SDC5D23-2R2N-LF
3.3		0.1	3.60	1.35	0.055	68	SDC5D23-3R3N-LF
4.7		0.1	3.20	1.30	0.065	53	SDC5D23-4R7N-LF
6.8		0.1	2.80	1.30	0.095	40	SDC5D23-6R8N-LF
10	±20%=M	0.1	2.20	1.30	0.105	35	SDC5D23-100M-LF
15		0.1	2.20	1.20	0.135	23	SDC5D23-150M-LF
22		0.1	1.60	1.10	0.175	17	SDC5D23-220M-LF
33		0.1	1.20	0.90	0.260	14	SDC5D23-330M-LF
47		0.1	1.00	0.80	0.360	10	SDC5D23-470M-LF
68		0.1	0.62	0.74	0.420	9.6	SDC5D23-680M-LF
100		0.1	0.52	0.64	0.610	7.7	SDC5D23-101M-LF
120		0.1	0.46	0.58	0.750	7.4	SDC5D23-121M-LF
150		0.1	0.42	0.54	0.920	6.4	SDC5D23-151M-LF
220		0.1	0.35	0.50	1.30	5.0	SDC5D23-221M-LF
330		0.1	0.28	0.39	2.00	3.8	SDC5D23-331M-LF
470		0.1	0.24	0.37	2.60	3.2	SDC5D23-471M-LF
680		0.1	0.20	0.26	4.00	2.8	SDC5D23-681M-LF
1000		0.1	0.17	0.22	6.00	2.3	SDC5D23-102M-LF
1500		0.1	0.13	0.17	9.00	1.8	SDC5D23-152M-LF
1800		0.1	0.12	0.14	11.7	1.7	SDC5D23-182M-LF
2200		0.1	0.11	0.13	13.5	1.3	SDC5D23-222M-LF
3300		0.1	0.11	0.11	21.0	1.1	SDC5D23-332M-LF
4700		0.1	0.10	0.090	30.0	0.90	SDC5D23-472M-LF
5600		0.1	0.096	0.090	36.0	0.72	SDC5D23-562M-LF
6800		0.1	0.089	0.080	43.0	0.70	SDC5D23-682M-LF
8200		0.1	0.088	0.075	54.0	0.69	SDC5D23-822M-LF
10000		0.1	0.087	0.065	70.0	0.68	SDC5D23-103M-LF

- I_{sat} : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC5D28



■ Size : 6.0x6.0x3.0 (mm)

■ Core material : ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

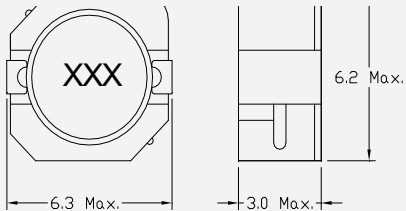
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A)	DCR (mΩ) (Max.)	Ordering code
2.5	±30%=N	0.01	2.60	18	SDC5D28-2R5N-LF
3.0		0.01	2.40	24	SDC5D28-3R0N-LF
4.2		0.01	2.20	31	SDC5D28-4R2N-LF
5.3		0.01	1.90	38	SDC5D28-5R3N-LF
6.2		0.01	1.80	45	SDC5D28-6R2N-LF
8.2		0.01	1.60	53	SDC5D28-8R2N-LF
10		0.01	1.30	65	SDC5D28-100N-LF
12		0.01	1.20	76	SDC5D28-120N-LF
15		0.01	1.10	103	SDC5D28-150N-LF
18		0.01	1.00	110	SDC5D28-180N-LF
22	±20%=M	0.01	0.90	122	SDC5D28-220M-LF
27		0.01	0.85	175	SDC5D28-270M-LF
33		0.01	0.75	189	SDC5D28-330M-LF
39		0.01	0.70	212	SDC5D28-390M-LF
47		0.01	0.62	250	SDC5D28-470M-LF
56		0.01	0.58	305	SDC5D28-560M-LF
68		0.01	0.52	355	SDC5D28-680M-LF
82		0.01	0.46	463	SDC5D28-820M-LF
100		0.01	0.42	520	SDC5D28-101M-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC5D28R



■ Size : 6.3x6.2x3.0 (mm)

■ Core material : ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

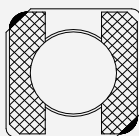
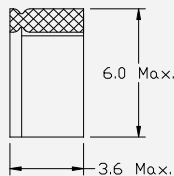
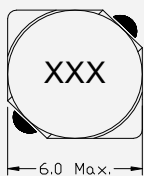
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
2.5	±30%=N	0.1	2.60	17.6	SDC5D28R-2R5N-LF
3.3		0.1	2.30	20.3	SDC5D28R-3R3N-LF
4.0		0.1	2.10	27.0	SDC5D28R-4R0N-LF
5.0		0.1	1.85	31.1	SDC5D28R-5R0N-LF
6.0		0.1	1.70	41.9	SDC5D28R-6R0N-LF
6.8		0.1	1.50	49.9	SDC5D28R-6R8N-LF
10		0.1	1.30	54.0	SDC5D28R-100N-LF
12		0.1	1.20	71.6	SDC5D28R-120N-LF
15		0.1	1.10	82.4	SDC5D28R-150N-LF
18		0.1	1.05	102	SDC5D28R-180N-LF
22		0.1	0.95	119	SDC5D28R-220N-LF
27		0.1	0.85	146	SDC5D28R-270N-LF
33		0.1	0.76	183	SDC5D28R-330N-LF
39		0.1	0.68	210	SDC5D28R-390N-LF
47		0.1	0.60	230	SDC5D28R-470N-LF
56		0.1	0.55	305	SDC5D28R-560N-LF
68		0.1	0.48	351	SDC5D28R-680N-LF
82		0.1	0.45	419	SDC5D28R-820N-LF
100		0.1	0.40	520	SDC5D28R-101N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC5D33



■ Size : 6.0x6.0x3.6 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

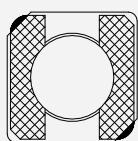
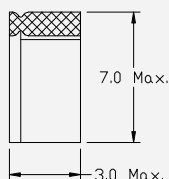
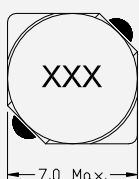
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) (Max.)	SRF (MHz) (Typ.)	Ordering code
6.8	±30%=N	0.1	2.80	1.90	0.075	55	SDC5D33-6R8N-LF
8.2		0.1	2.70	1.85	0.095	48	SDC5D33-8R2N-LF
10	±20%=M	0.1	2.50	1.80	0.100	37	SDC5D33-100M-LF
12		0.1	2.30	1.75	0.110	29	SDC5D33-120M-LF
15		0.1	2.00	1.70	0.125	25	SDC5D33-150M-LF
18		0.1	1.90	1.65	0.140	24	SDC5D33-180M-LF
22		0.1	1.70	1.60	0.145	24	SDC5D33-220M-LF
33		0.1	1.50	1.30	0.180	16	SDC5D33-330M-LF
47		0.1	1.20	1.15	0.245	13	SDC5D33-470M-LF
56		0.1	1.10	1.07	0.280	12	SDC5D33-560M-LF
68		0.1	0.96	1.00	0.345	10.8	SDC5D33-680M-LF
82		0.1	0.55	0.95	0.315	10.0	SDC5D33-820M-LF
100		0.1	0.54	0.90	0.375	9.0	SDC5D33-101M-LF
120		0.1	0.51	0.80	0.435	8.3	SDC5D33-121M-LF
150		0.1	0.45	0.73	0.535	7.3	SDC5D33-151M-LF
220		0.1	0.37	0.64	0.720	5.6	SDC5D33-221M-LF
330		0.1	0.30	0.55	1.020	4.4	SDC5D33-331M-LF
470		0.1	0.26	0.50	1.580	3.6	SDC5D33-471M-LF
560		0.1	0.23	0.46	1.750	3.1	SDC5D33-561M-LF
680		0.1	0.21	0.40	1.970	2.8	SDC5D33-681M-LF
820		0.1	0.19	0.33	2.700	2.5	SDC5D33-821M-LF
1000		0.1	0.18	0.30	3.200	2.2	SDC5D33-102M-LF
1500		0.1	0.14	0.26	4.600	1.9	SDC5D33-152M-LF
1800		0.1	0.13	0.23	5.420	1.7	SDC5D33-182M-LF
2200		0.1	0.11	0.22	6.400	1.5	SDC5D33-222M-LF
3300		0.1	0.10	0.18	8.900	1.1	SDC5D33-332M-LF
4700		0.1	0.084	0.15	14.00	0.94	SDC5D33-472M-LF
5600		0.1	0.085	0.13	16.40	0.86	SDC5D33-562M-LF
6800		0.1	0.080	0.12	21.40	0.80	SDC5D33-682M-LF
8200		0.1	0.078	0.115	24.00	0.70	SDC5D33-822M-LF
10000		0.1	0.074	0.11	29.00	0.61	SDC5D33-103M-LF

- I_{sat} : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (T_a=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC6D28



■ Size : 7.0x7.0x3.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

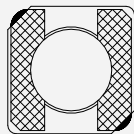
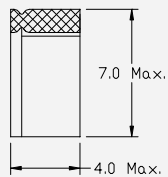
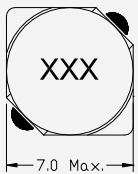
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A)	DCR (mΩ) (Max.)	Ordering code
3.0	±30%=N	0.01	3.00	24	SDC6D28-3R0N-LF
3.9		0.01	2.60	27	SDC6D28-3R9N-LF
5.0		0.01	2.40	31	SDC6D28-5R0N-LF
6.0		0.01	2.25	35	SDC6D28-6R0N-LF
7.3		0.01	2.10	54	SDC6D28-7R3N-LF
8.6		0.01	1.85	58	SDC6D28-8R6N-LF
10		0.01	1.70	65	SDC6D28-100N-LF
12		0.01	1.55	70	SDC6D28-120N-LF
15		0.01	1.40	84	SDC6D28-150N-LF
18		0.01	1.32	95	SDC6D28-180N-LF
22		0.01	1.20	128	SDC6D28-220N-LF
27		0.01	1.05	142	SDC6D28-270N-LF
33		0.01	0.97	165	SDC6D28-330N-LF
39		0.01	0.86	210	SDC6D28-390N-LF
47		0.01	0.80	238	SDC6D28-470N-LF
56		0.01	0.73	277	SDC6D28-560N-LF
68		0.01	0.65	304	SDC6D28-680N-LF
82		0.01	0.60	390	SDC6D28-820N-LF
100		0.01	0.54	535	SDC6D28-101N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC6D38



■ Size : 7.0x7.0x4.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

Packing unit : 1000 pcs/reel

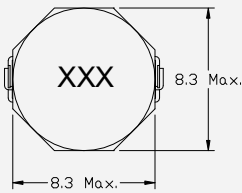
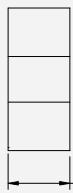
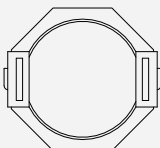
INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A)	DCR (mΩ) (Max.)	Ordering code
3.3	±30%=N	0.01	3.50	20	SDC6D38-3R3N-LF
5.0		0.01	2.90	24	SDC6D38-5R0N-LF
6.2		0.01	2.50	27	SDC6D38-6R2N-LF
7.4		0.01	2.30	31	SDC6D38-7R4N-LF
8.7		0.01	2.20	34	SDC6D38-8R7N-LF
10		0.01	2.00	38	SDC6D38-100N-LF
12		0.01	1.70	53	SDC6D38-120N-LF
15		0.01	1.60	57	SDC6D38-150N-LF
18		0.01	1.50	92	SDC6D38-180N-LF
22	±20%=M	0.01	1.30	96	SDC6D38-220M-LF
27		0.01	1.20	109	SDC6D38-270M-LF
33		0.01	1.10	124	SDC6D38-330M-LF
39		0.01	1.00	138	SDC6D38-390M-LF
47		0.01	0.95	155	SDC6D38-470M-LF
56		0.01	0.85	202	SDC6D38-560M-LF
68		0.01	0.75	234	SDC6D38-680M-LF
82		0.01	0.70	324	SDC6D38-820M-LF
100		0.01	0.65	358	SDC6D38-101M-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. ($T_a=+25^{\circ}\text{C}$)
- Operating temperature range -40°C to $+125^{\circ}\text{C}$, Electrical specifications at 25°C .

SMT Power Inductors

SDC8D28HP



- Size : 8.3x8.3x3.0 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

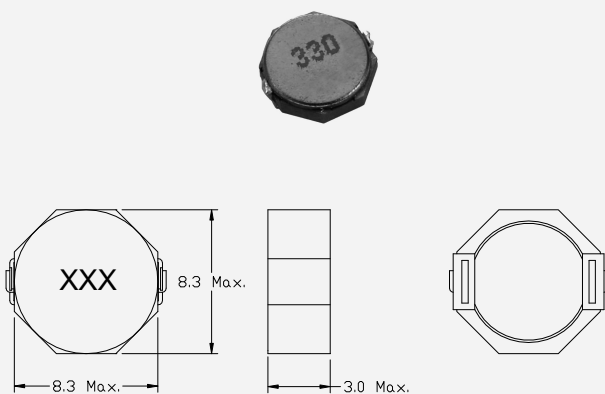
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	Irms (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
3.3	±30%=N	0.1	6.50	3.80	35	SDC8D28HP-3R3N-LF
4.7		0.1	4.50	3.60	40	SDC8D28HP-4R7N-LF
7.3		0.1	4.00	2.40	66	SDC8D28HP-7R3N-LF
10		0.1	3.40	2.10	78	SDC8D28HP-100N-LF
15		0.1	2.80	1.70	125	SDC8D28HP-150N-LF
22		0.1	2.50	1.35	182	SDC8D28HP-220N-LF
33		0.1	1.90	1.10	286	SDC8D28HP-330N-LF
47		0.1	1.60	1.00	345	SDC8D28HP-470N-LF
68		0.1	1.30	0.80	520	SDC8D28HP-680N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC8D28



- Size : 8.3x8.3x3.0 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

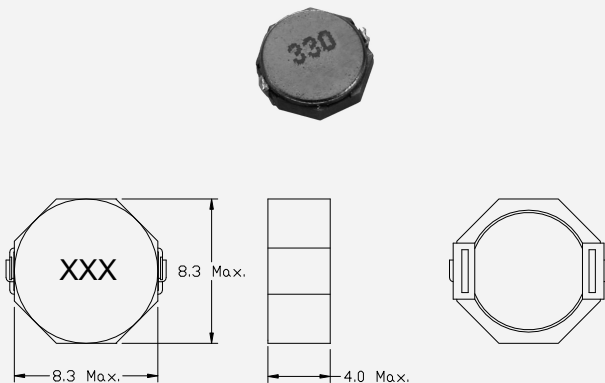
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	Irms (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
1.0	±30%=N	0.1	6.50	7.00	11.0	SDC8D28-1R0N-LF
2.5		0.1	4.50	6.40	15.6	SDC8D28-2R5N-LF
3.3		0.1	4.00	6.00	18.2	SDC8D28-3R3N-LF
4.7		0.1	3.40	4.50	24.7	SDC8D28-4R7N-LF
7.3		0.1	2.80	3.40	39.0	SDC8D28-7R3N-LF
10		0.1	2.50	3.20	47.0	SDC8D28-100N-LF
15		0.1	1.90	2.30	69.0	SDC8D28-150N-LF
22		0.1	1.60	1.85	99.0	SDC8D28-220N-LF
33		0.1	1.30	1.45	156	SDC8D28-330N-LF
47		0.1	1.15	1.30	195	SDC8D28-470N-LF
68		0.1	0.92	0.98	286	SDC8D28-680N-LF
100		0.1	0.75	0.80	430	SDC8D28-101N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC8D38



- Size : 8.3x8.3x4.0 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

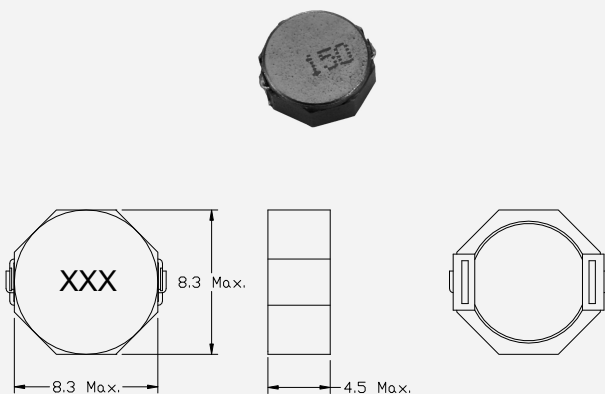
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
1.8	±30%=N	0.1	7.00	6.80	15.6	SDC8D38-1R8N-LF
2.5		0.1	6.50	6.00	17.5	SDC8D38-2R5N-LF
3.5		0.1	5.00	5.20	24.0	SDC8D38-3R5N-LF
4.7		0.1	4.60	4.40	29.0	SDC8D38-4R7N-LF
6.0		0.1	4.20	4.00	32.0	SDC8D38-6R0N-LF
10		0.1	3.00	3.20	48.0	SDC8D38-100N-LF
15		0.1	2.75	2.50	67.0	SDC8D38-150N-LF
22		0.1	2.30	2.00	105	SDC8D38-220N-LF
33		0.1	1.75	1.60	157	SDC8D38-330N-LF
47		0.1	1.52	1.42	189	SDC8D38-470N-LF
68		0.1	1.30	1.08	290	SDC8D38-680N-LF
100		0.1	1.05	0.88	410	SDC8D38-101N-LF

- I_{sat} : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes Δ40°C . (T_a=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC8D43HP



- Size : 8.3x8.3x4.5 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

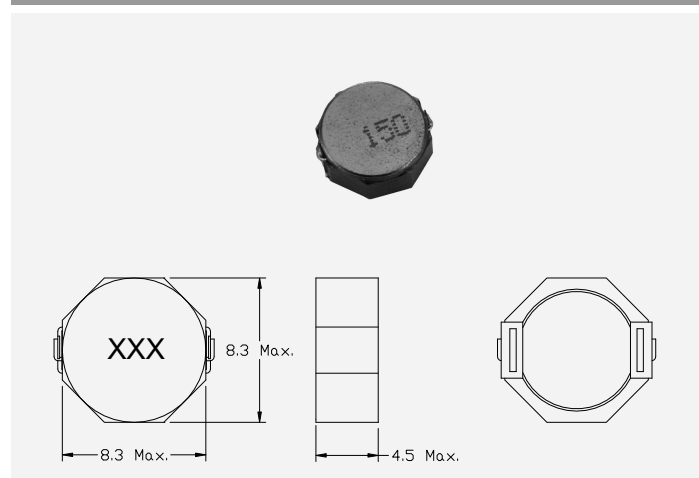
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	Irms (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
1.2	±30%=N	0.1	12.6	5.60	16.5	SDC8D43HP-1R2N-LF
2.7		0.1	8.6	5.10	19.5	SDC8D43HP-2R7N-LF
4.7		0.1	6.2	3.90	27.0	SDC8D43HP-4R7N-LF
6.8		0.1	5.6	3.30	36.0	SDC8D43HP-6R8N-LF
10		0.1	4.3	2.50	53.0	SDC8D43HP-100N-LF
15		0.1	3.7	2.00	75.0	SDC8D43HP-150N-LF
22		0.1	3.0	1.50	125	SDC8D43HP-220N-LF
33		0.1	2.5	1.40	150	SDC8D43HP-330N-LF
47		0.1	2.0	1.20	238	SDC8D43HP-470N-LF
68		0.1	1.6	0.80	363	SDC8D43HP-680N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Iirms: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC8D43



■ Size : 8.3x8.3x4.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

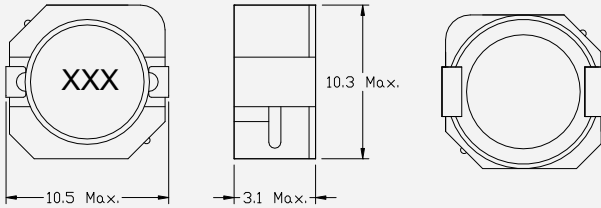
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
0.68	±30%=N	0.1	9.00	6.90	9.5	SDC8D43-R68N-LF
1.2		0.1	8.00	6.20	12.2	SDC8D43-1R2N-LF
2.0		0.1	7.00	5.50	14	SDC8D43-2R0N-LF
3.9		0.1	5.90	4.50	19	SDC8D43-3R9N-LF
4.7		0.1	5.60	4.10	22	SDC8D43-4R7N-LF
6.8		0.1	4.40	3.90	25	SDC8D43-6R8N-LF
10		0.1	4.00	3.20	36	SDC8D43-100N-LF
15		0.1	2.90	2.30	53	SDC8D43-150N-LF
22		0.1	2.60	1.80	75	SDC8D43-220N-LF
33		0.1	2.20	1.40	125	SDC8D43-330N-LF
47		0.1	1.80	1.30	150	SDC8D43-470N-LF
68		0.1	1.50	1.00	240	SDC8D43-680N-LF
100		0.1	1.30	0.80	360	SDC8D43-101N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC103R



■ Size : 10.5x10.3x3.1 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

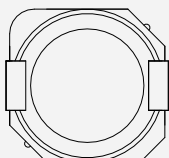
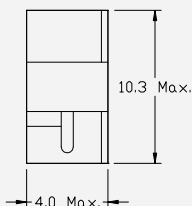
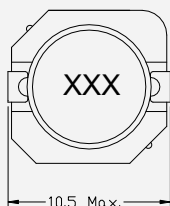
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
0.8	±30%=N	0.1	11.2	8.30	5.7	SDC103R-0R8N-LF
1.5		0.1	8.0	5.80	11.0	SDC103R-1R5N-LF
2.2		0.1	6.7	5.10	16.9	SDC103R-2R2N-LF
3.3		0.1	5.56	4.70	21.0	SDC103R-3R3N-LF
4.7		0.1	4.65	4.00	30.0	SDC103R-4R7N-LF
6.8		0.1	3.84	3.60	35.0	SDC103R-6R8N-LF
8.2		0.1	3.54	3.00	50.0	SDC103R-8R2N-LF
10		0.1	3.18	2.80	59.0	SDC103R-100N-LF
15		0.1	2.60	2.05	91.0	SDC103R-150N-LF
22		0.1	2.16	1.60	143	SDC103R-220N-LF
33		0.1	1.74	1.35	202	SDC103R-330N-LF
47		0.1	1.43	1.20	299	SDC103R-470N-LF
56		0.1	1.36	1.15	325	SDC103R-560N-LF
68		0.1	1.22	0.95	429	SDC103R-680N-LF
82		0.1	1.14	0.80	494	SDC103R-820N-LF
100		0.1	1.02	0.70	683	SDC103R-101N-LF
120		0.1	0.89	0.65	754	SDC103R-121N-LF
150		0.1	0.84	0.51	871	SDC103R-151N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC104R



■ Size : 10.5x10.3x4.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

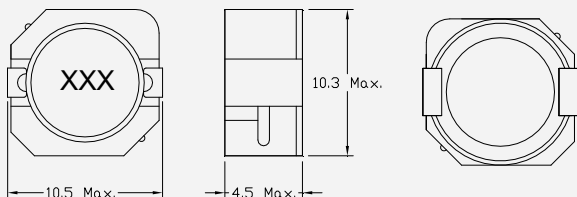
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
1.5	±30%=N	0.1	10.0	6.50	8.1	SDC104R-1R5N-LF
2.5		0.1	7.50	6.10	10.5	SDC104R-2R5N-LF
3.8		0.1	6.00	5.50	13.0	SDC104R-3R8N-LF
5.2		0.1	5.50	5.40	22.0	SDC104R-5R2N-LF
7.0		0.1	4.80	4.50	27.0	SDC104R-7R0N-LF
10		0.1	4.40	3.80	35.0	SDC104R-100N-LF
12		0.1	3.70	3.40	46.0	SDC104R-120N-LF
15		0.1	3.60	3.10	50.0	SDC104R-150N-LF
18		0.1	3.10	2.60	69.0	SDC104R-180N-LF
22		0.1	2.90	2.50	73.0	SDC104R-220N-LF
27		0.1	2.60	2.30	88.0	SDC104R-270N-LF
33		0.1	2.30	2.20	93.0	SDC104R-330N-LF
39		0.1	2.20	2.00	127	SDC104R-390N-LF
47		0.1	2.10	1.90	128	SDC104R-470N-LF
56		0.1	1.65	1.50	188	SDC104R-560N-LF
68		0.1	1.50	1.42	213	SDC104R-680N-LF
82		0.1	1.45	1.30	283	SDC104R-820N-LF
100		0.1	1.35	1.25	304	SDC104R-101N-LF
120		0.1	1.20	1.08	375	SDC104R-121N-LF
150		0.1	1.15	0.85	506	SDC104R-151N-LF
180		0.1	1.00	0.75	568	SDC104R-181N-LF
220		0.1	0.92	0.70	756	SDC104R-221N-LF
270		0.1	0.84	0.55	853	SDC104R-271N-LF
330		0.1	0.70	0.52	1090	SDC104R-331N-LF

- I_{sat} : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms} : The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC104RM



■ Size : 10.5x10.3x4.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

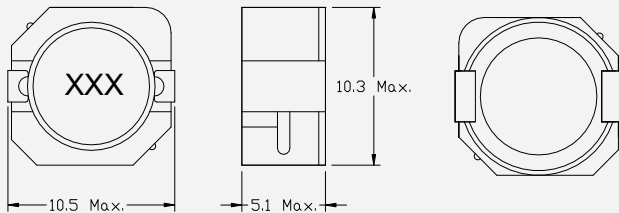
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
1.0	±20%=N	0.1	13.6	9.7	5.9	SDC104RM-1R0M-LF
1.8		0.1	10.4	9.5	7.6	SDC104RM-1R8M-LF
2.8		0.1	8.3	6.1	10.7	SDC104RM-2R8M-LF
3.7		0.1	7.0	5.3	14.2	SDC104RM-3R7M-LF
4.7		0.1	6.1	5.2	16.2	SDC104RM-4R7M-LF
6.4		0.1	5.2	4.8	22.9	SDC104RM-6R4M-LF
8.2		0.1	8.0	5.0	32.5	SDC104RM-8R2M-LF
10		0.1	4.3	4.5	26.5	SDC104RM-100M-LF
15		0.1	3.3	3.7	49.2	SDC104RM-150M-LF
22		0.1	5.0	4.5	66.0	SDC104RM-220M-LF
27		0.1	2.7	2.4	88.3	SDC104RM-270M-LF
33		0.1	2.4	2.1	102	SDC104RM-330M-LF
47		0.1	3.3	3.0	191	SDC104RM-470M-LF
100		0.1	2.5	2.25	270	SDC104RM-101M-LF

- I_{sat} : DC current at which the inductance drops 20% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC105RHP



■ Size : 10.5x10.3x5.1 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

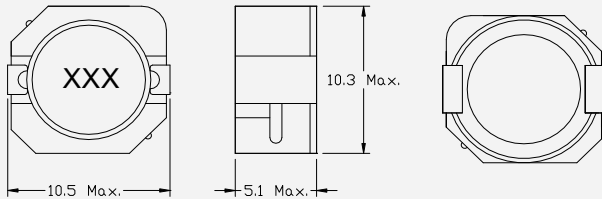
Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
1.1	±30%=N	0.1	16.0	9.20	7.6	SDC105RHP-1R1N-LF
1.5		0.1	12.0	8.20	9.2	SDC105RHP-1R5N-LF
3.0		0.1	9.8	6.50	14.5	SDC105RHP-3R0N-LF
4.2		0.1	8.7	6.00	16.7	SDC105RHP-4R2N-LF
5.6		0.1	7.8	5.20	21.9	SDC105RHP-5R6N-LF
7.2		0.1	6.6	4.80	24.2	SDC105RHP-7R2N-LF
10	±20%=M	0.1	5.7	3.70	33.8	SDC105RHP-100M-LF
15		0.1	4.8	3.40	42.5	SDC105RHP-150M-LF
22		0.1	4.0	2.80	61.5	SDC105RHP-220M-LF
33		0.1	3.2	2.40	81.9	SDC105RHP-330M-LF
47		0.1	2.7	2.00	115	SDC105RHP-470M-LF
56		0.1	2.5	1.90	126	SDC105RHP-560M-LF
68		0.1	2.2	1.80	158	SDC105RHP-680M-LF
82		0.1	2.0	1.50	198	SDC105RHP-820M-LF
100		0.1	1.8	1.40	223	SDC105RHP-101M-LF
120		0.1	1.6	1.30	278	SDC105RHP-121M-LF
150		0.1	1.5	1.10	391	SDC105RHP-151M-LF
180		0.1	1.3	0.95	482	SDC105RHP-181M-LF
220		0.1	1.2	0.80	567	SDC105RHP-221M-LF
330		0.1	1.0	0.75	809	SDC105RHP-331M-LF

- I_{sat} : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms} : The actual current when temperature of coil becomes Δ40°C . (T_a=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SDC105R



■ Size : 10.5x10.3x5.1 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

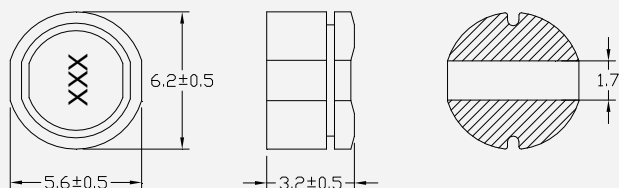
Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
0.8	±30%=N	0.1	13.5	9.50	4.3	SDC105R-0R8N-LF
1.5		0.1	10.5	8.30	5.8	SDC105R-1R5N-LF
2.2		0.1	9.25	7.50	7.2	SDC105R-2R2N-LF
3.3		0.1	7.80	6.50	10.4	SDC105R-3R3N-LF
4.7		0.1	6.40	6.10	12.3	SDC105R-4R7N-LF
6.8		0.1	5.40	5.40	18	SDC105R-6R8N-LF
8.2		0.1	4.85	5.00	20	SDC105R-8R2N-LF
10		0.1	4.45	4.50	26	SDC105R-100N-LF
12		0.1	4.00	3.80	33	SDC105R-120N-LF
15		0.1	3.60	3.40	41	SDC105R-150N-LF
18		0.1	3.20	3.10	46	SDC105R-180N-LF
22		0.1	2.95	2.90	61	SDC105R-220N-LF
27		0.1	2.70	2.60	69	SDC105R-270N-LF
33		0.1	2.40	2.50	84	SDC105R-330N-LF
39		0.1	2.30	2.25	106	SDC105R-390N-LF
47		0.1	2.00	2.00	130	SDC105R-470N-LF
56		0.1	1.90	1.90	149	SDC105R-560N-LF
68		0.1	1.65	1.60	201	SDC105R-680N-LF
82		0.1	1.50	1.45	227	SDC105R-820N-LF
100		0.1	1.35	1.35	253	SDC105R-101N-LF
120		0.1	1.28	1.18	303	SDC105R-121N-LF
150		0.1	1.12	1.10	370	SDC105R-151N-LF
180		0.1	1.04	1.00	419	SDC105R-181N-LF
220		0.1	0.94	0.94	500	SDC105R-221N-LF
270		0.1	0.84	0.80	672	SDC105R-271N-LF
330		0.1	0.75	0.73	812	SDC105R-331N-LF
390		0.1	0.70	0.70	953	SDC105R-391N-LF
470		0.1	0.60	0.54	1289	SDC105R-471N-LF
560		0.1	0.54	0.52	1430	SDC105R-561N-LF
680		0.1	0.52	0.51	1599	SDC105R-681N-LF
820		0.1	0.50	0.48	1768	SDC105R-821N-LF
1000		0.1	0.48	0.42	1989	SDC105R-102N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SRS63B



■ Size : 6.2x5.6x3.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

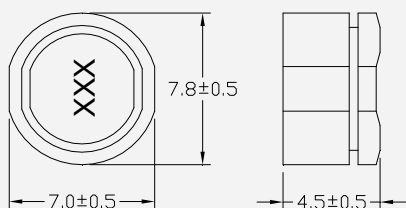
Packing unit : 1500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±20%=M	2.52	1.00	0.14	SRS63B-100M-LF
12		2.52	0.94	0.16	SRS63B-120M-LF
15		2.52	0.86	0.18	SRS63B-150M-LF
18		2.52	0.78	0.25	SRS63B-180M-LF
22		2.52	0.76	0.32	SRS63B-220M-LF
27		2.52	0.64	0.36	SRS63B-270M-LF
33		2.52	0.61	0.41	SRS63B-330M-LF
39		2.52	0.53	0.47	SRS63B-390M-LF
47		2.52	0.50	0.51	SRS63B-470M-LF
56		2.52	0.46	0.72	SRS63B-560M-LF
68		2.52	0.42	0.82	SRS63B-680M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SRS74B



■ Size : 7.8x7.0x4.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

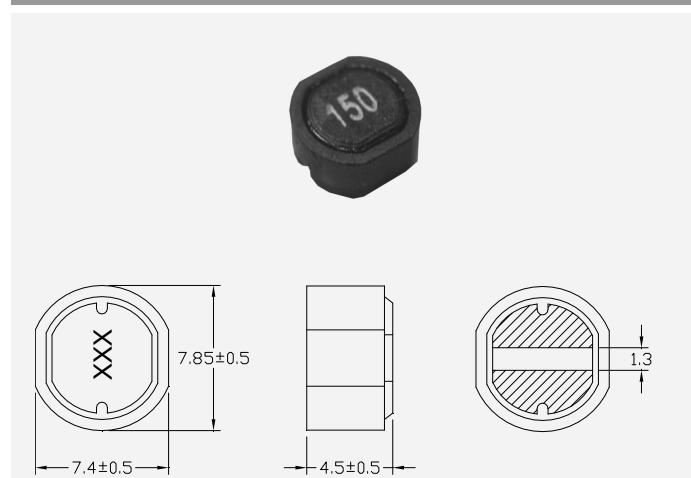
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±20%=M	2.52	1.65	0.07	SRS74B-100M-LF
12		2.52	1.57	0.07	SRS74B-120M-LF
15		2.52	1.39	0.08	SRS74B-150M-LF
18		2.52	1.29	0.10	SRS74B-180M-LF
22		2.52	1.12	0.13	SRS74B-220M-LF
27		2.52	1.06	0.16	SRS74B-270M-LF
33		2.52	0.97	0.18	SRS74B-330M-LF
39		2.52	0.91	0.18	SRS74B-390M-LF
47		2.52	0.80	0.27	SRS74B-470M-LF
56		2.52	0.76	0.29	SRS74B-560M-LF
68		2.52	0.68	0.33	SRS74B-680M-LF
82		2.52	0.62	0.43	SRS74B-820M-LF
100		0.001	0.55	0.49	SRS74B-101M-LF
120		0.001	0.49	0.68	SRS74B-121M-LF
150		0.001	0.44	0.94	SRS74B-151M-LF
180		0.001	0.40	1.00	SRS74B-181M-LF
220		0.001	0.36	1.18	SRS74B-221M-LF
270		0.001	0.33	1.30	SRS74B-271M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SRS74R



■ Size : 7.85x7.4x4.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

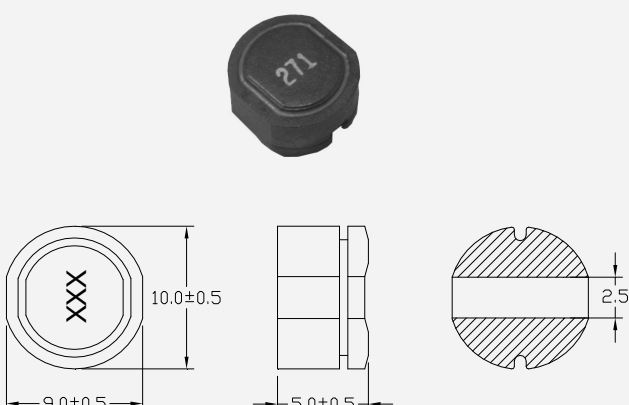
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±20%=M	2.52	1.65	0.07	SRS74R-100M-LF
12		2.52	1.57	0.07	SRS74R-120M-LF
15		2.52	1.39	0.08	SRS74R-150M-LF
18		2.52	1.29	0.10	SRS74R-180M-LF
22		2.52	1.12	0.13	SRS74R-220M-LF
27		2.52	1.06	0.16	SRS74R-270M-LF
33		2.52	0.97	0.18	SRS74R-330M-LF
39		2.52	0.91	0.18	SRS74R-390M-LF
47		2.52	0.80	0.27	SRS74R-470M-LF
56		2.52	0.76	0.29	SRS74R-560M-LF
68		2.52	0.68	0.33	SRS74R-680M-LF
82		2.52	0.62	0.42	SRS74R-820M-LF
100		0.001	0.55	0.49	SRS74R-101M-LF
120		0.001	0.49	0.68	SRS74R-121M-LF
150		0.001	0.44	0.94	SRS74R-151M-LF
180		0.001	0.40	1.00	SRS74R-181M-LF
220		0.001	0.36	1.18	SRS74R-221M-LF
270		0.001	0.33	1.30	SRS74R-271M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SRS105B



- Size : 10.0x9.0x5.0 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

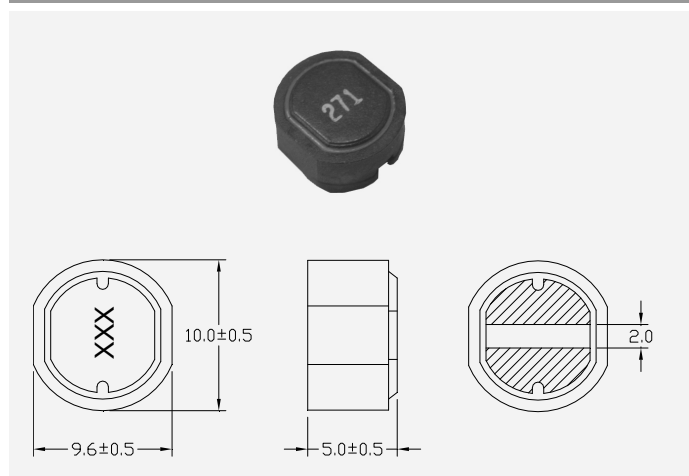
Terminals : Lead-free tinned
Solderability : Reflow soldering
Marking : L value (μH, coded)
Delivery mode : Tape & reel packing
Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±20%=M	2.52	2.06	0.06	SRS105B-100M-LF
12		2.52	1.94	0.07	SRS105B-120M-LF
15		2.52	1.72	0.07	SRS105B-150M-LF
18		2.52	1.58	0.08	SRS105B-180M-LF
22		2.52	1.42	0.08	SRS105B-220M-LF
27		2.52	1.32	0.10	SRS105B-270M-LF
33		2.52	1.16	0.11	SRS105B-330M-LF
39		2.52	1.10	0.12	SRS105B-390M-LF
47		2.52	1.00	0.14	SRS105B-470M-LF
56		2.52	0.93	0.19	SRS105B-560M-LF
68		2.52	0.85	0.21	SRS105B-680M-LF
82		2.52	0.79	0.28	SRS105B-820M-LF
100		0.001	0.72	0.34	SRS105B-101M-LF
120		0.001	0.63	0.37	SRS105B-121M-LF
150		0.001	0.55	0.51	SRS105B-151M-LF
180		0.001	0.50	0.57	SRS105B-181M-LF
220		0.001	0.47	0.78	SRS105B-221M-LF
270		0.001	0.41	0.87	SRS105B-271M-LF
330		0.001	0.37	1.20	SRS105B-331M-LF
390		0.001	0.35	1.34	SRS105B-391M-LF
470		0.001	0.33	1.50	SRS105B-471M-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SRS105R



■ Size : 10.0x9.6x5.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±20%=M	2.52	2.06	0.06	SRS105R-100M-LF
12		2.52	1.94	0.07	SRS105R-120M-LF
15		2.52	1.72	0.07	SRS105R-150M-LF
18		2.52	1.58	0.08	SRS105R-180M-LF
22		2.52	1.42	0.08	SRS105R-220M-LF
27		2.52	1.32	0.10	SRS105R-270M-LF
33		2.52	1.16	0.11	SRS105R-330M-LF
39		2.52	1.10	0.12	SRS105R-390M-LF
47		2.52	1.00	0.14	SRS105R-470M-LF
56		2.52	0.93	0.19	SRS105R-560M-LF
68		2.52	0.85	0.21	SRS105R-680M-LF
82		2.52	0.79	0.28	SRS105R-820M-LF
100		0.001	0.72	0.34	SRS105R-101M-LF
120		0.001	0.63	0.37	SRS105R-121M-LF
150		0.001	0.55	0.51	SRS105R-151M-LF
180		0.001	0.50	0.57	SRS105R-181M-LF
220		0.001	0.47	0.78	SRS105R-221M-LF
270		0.001	0.41	0.87	SRS105R-271M-LF
330		0.001	0.37	1.20	SRS105R-331M-LF
390		0.001	0.35	1.34	SRS105R-391M-LF
470		0.001	0.33	1.50	SRS105R-471M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SRS125R



- Size : 12.6x11.6x5.4 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

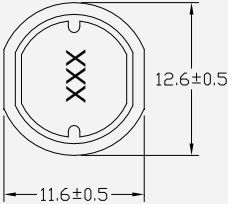
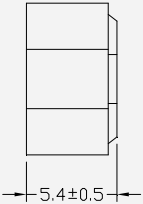
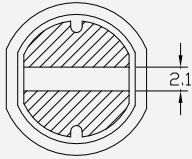
Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

Packing unit : 400 pcs/reel

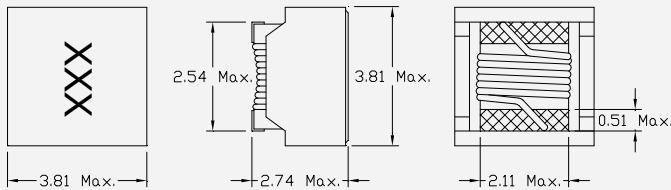
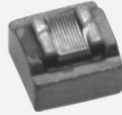




INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±20%=M	2.52	2.65	0.05	SRS125R-100M-LF
12		2.52	2.50	0.05	SRS125R-120M-LF
15		2.52	2.45	0.06	SRS125R-150M-LF
18		2.52	2.40	0.06	SRS125R-180M-LF
22		2.52	2.20	0.07	SRS125R-220M-LF
27		2.52	2.00	0.08	SRS125R-270M-LF
33		2.52	1.80	0.10	SRS125R-330M-LF
39		2.52	1.65	0.11	SRS125R-390M-LF
47		2.52	1.50	0.12	SRS125R-470M-LF
56		2.52	1.38	0.15	SRS125R-560M-LF
68		2.52	1.26	0.17	SRS125R-680M-LF
82		2.52	1.14	0.20	SRS125R-820M-LF
100		0.001	1.05	0.25	SRS125R-101M-LF
120		0.001	0.95	0.28	SRS125R-121M-LF
150		0.001	0.85	0.40	SRS125R-151M-LF
180		0.001	0.77	0.48	SRS125R-181M-LF
220		0.001	0.70	0.52	SRS125R-221M-LF
270		0.001	0.63	0.70	SRS125R-271M-LF
330		0.001	0.57	0.80	SRS125R-331M-LF
390		0.001	0.52	1.08	SRS125R-391M-LF
470		0.001	0.48	1.20	SRS125R-471M-LF
560		0.001	0.44	1.34	SRS125R-561M-LF
680		0.001	0.40	1.78	SRS125R-681M-LF
820		0.001	0.36	2.00	SRS125R-821M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -25°C to +125°C , Electrical specifications at 25°C.

SMT Power Inductors

SPS1008



■ Size : 3.81x3.81x2.74 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

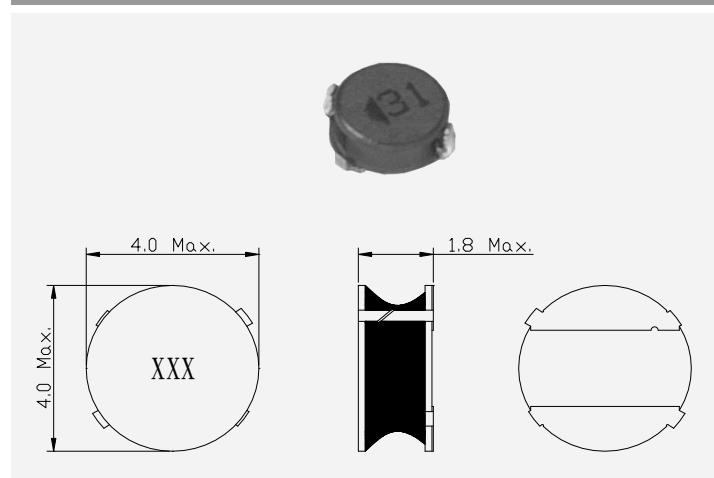
Packing unit : 2500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Q. Min.	IDC (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) (Max.)	SRF (MHz) Typ.	Ordering code
1.0	±20%=M	0.1	35	3.0	2.00	0.05	344	SPS1008-1R0M-LF
1.5		0.1	35	2.8	2.00	0.06	260	SPS1008-1R5M-LF
1.8		0.1	35	2.1	1.90	0.09	225	SPS1008-1R8M-LF
2.7		0.1	38	1.3	1.60	0.14	185	SPS1008-2R7M-LF
3.9		0.1	38	1.2	1.20	0.26	175	SPS1008-3R9M-LF
4.7		0.1	38	1.0	1.10	0.35	160	SPS1008-4R7M-LF
5.6		0.1	38	1.0	0.90	0.36	150	SPS1008-5R6M-LF
6.8		0.1	38	0.84	0.80	0.58	120	SPS1008-6R8M-LF
10		0.1	38	0.78	0.72	0.92	105	SPS1008-100M-LF
15		0.1	38	0.70	0.60	1.15	35	SPS1008-150M-LF
22		0.1	40	0.65	0.55	1.40	26	SPS1008-220M-LF
33		0.1	45	0.51	0.20	1.61	20	SPS1008-330M-LF
39		0.1	45	0.45	0.47	1.85	16	SPS1008-390M-LF
47		0.1	45	0.40	0.42	2.5	19	SPS1008-470M-LF
68		0.1	45	0.31	0.32	3.8	12	SPS1008-680M-LF
82		0.1	45	0.30	0.30	4.3	9.0	SPS1008-820M-LF
100		0.1	45	0.30	0.30	5.8	7.0	SPS1008-101M-LF
120		0.1	50	0.25	0.28	6.3	7.0	SPS1008-121M-LF
150		0.1	50	0.22	0.26	7.5	5.8	SPS1008-151M-LF
220		0.1	55	0.22	0.21	10.0	10.3	SPS1008-221M-LF
330		0.1	55	0.20	0.19	11.5	3.8	SPS1008-331M-LF
470		0.1	55	0.16	0.18	16.3	3.1	SPS1008-471M-LF
560		0.1	55	0.13	0.15	18.1	2.8	SPS1008-561M-LF
680		0.1	55	0.12	0.14	24.0	2.5	SPS1008-681M-LF
820		0.1	45	0.10	0.12	26.0	1.5	SPS1008-821M-LF
1000		0.1	45	0.10	0.11	29.0	2.0	SPS1008-102M-LF

- Isat: DC current at which the inductance drops 10% (typ) from its value without current.
- I_{rms}: Average current for 40°C temperature rise from 25°C ambient.
- Operating temperature range -40°C to +105°C, Electrical specifications at 25°C.

SMT Power Inductors

SQH3D16CS



- Size : 4.0x4.0x1.8 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

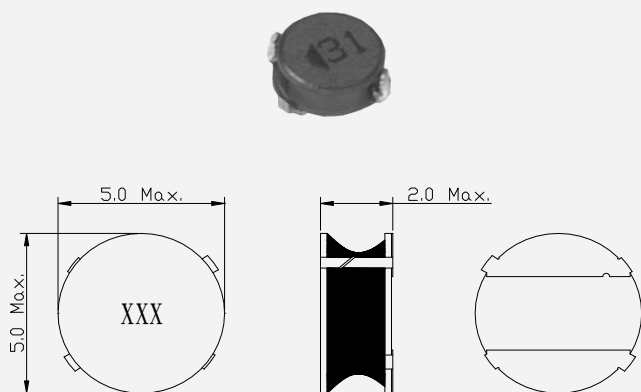
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
1.7	±30%=N	0.1	2.00	2.40	51	SQH3D16CS-1R7N-LF
2.2		0.1	1.75	2.30	59	SQH3D16CS-2R2N-LF
3.3		0.1	1.40	1.80	85	SQH3D16CS-3R3N-LF
4.7		0.1	1.20	1.50	116	SQH3D16CS-4R7N-LF
6.8		0.1	1.00	1.10	180	SQH3D16CS-6R8N-LF
10	±20%=M	0.1	0.84	1.00	230	SQH3D16CS-100M-LF
15		0.1	0.65	0.75	410	SQH3D16CS-150M-LF
22		0.1	0.55	0.52	610	SQH3D16CS-220M-LF
33		0.1	0.46	0.41	870	SQH3D16CS-330M-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SQH4D18CS



- Size : 5.0x5.0x2.0 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

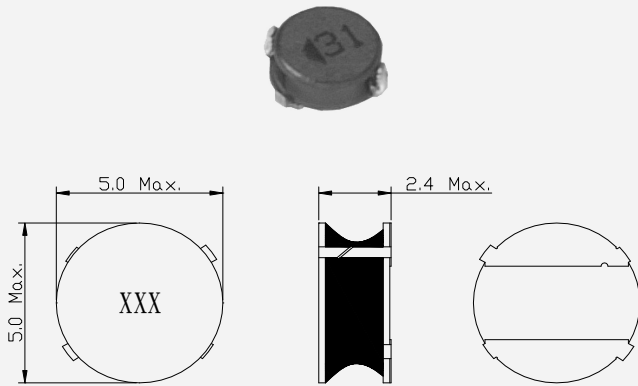
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A)	DCR (mΩ) (Max.)	Ordering code
1.0	±30%=N	7.96	1.72	45	SQH4D18CS-1R0N-LF
2.2		7.96	1.32	75	SQH4D18CS-2R2N-LF
2.7		7.96	1.28	105	SQH4D18CS-2R7N-LF
3.3		7.96	1.04	110	SQH4D18CS-3R3N-LF
3.9		7.96	0.88	155	SQH4D18CS-3R9N-LF
4.7		7.96	0.84	162	SQH4D18CS-4R7N-LF
5.6		7.96	0.80	170	SQH4D18CS-5R6N-LF
6.8		7.96	0.76	180	SQH4D18CS-6R8N-LF
8.2		7.96	0.68	190	SQH4D18CS-8R2N-LF
10		0.1	0.61	200	SQH4D18CS-100N-LF
12		0.1	0.56	210	SQH4D18CS-120N-LF
15		0.1	0.50	240	SQH4D18CS-150N-LF
18		0.1	0.48	338	SQH4D18CS-180N-LF
22	±20%=M	0.1	0.41	397	SQH4D18CS-220M-LF
27		0.1	0.35	441	SQH4D18CS-270M-LF
33		0.1	0.32	694	SQH4D18CS-330M-LF
39		0.1	0.30	709	SQH4D18CS-390M-LF

- DC current at which the inductance drops 35% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SQH4D22CS



- Size : 5.0x5.0x2.4 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

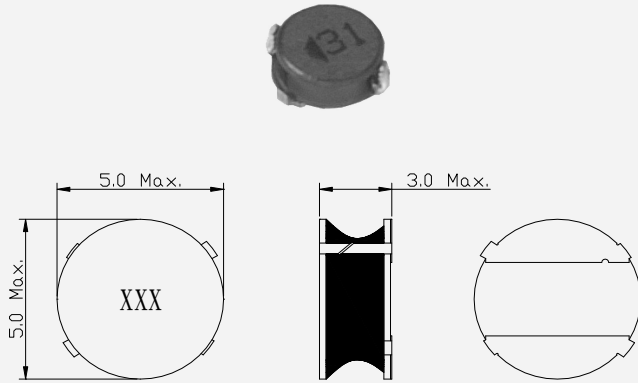
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A)	I _{rms} (A)	DCR(Ω)	Ordering code
1.5	±30%=N	0.1	2.00	4.20	18.3m	SQH4D22CS-1R5N-LF
1.8		0.1	1.90	3.70	21.6m	SQH4D22CS-1R8N-LF
2.3		0.1	1.80	3.60	25.4m	SQH4D22CS-2R3N-LF
3.3		0.1	1.40	3.07	35.1m	SQH4D22CS-3R3N-LF
3.9		0.1	1.30	3.04	40.2m	SQH4D22CS-3R9N-LF
4.7		0.1	1.10	2.08	55.9m	SQH4D22CS-4R7N-LF
5.6		0.1	1.05	2.05	62.0m	SQH4D22CS-5R6N-LF
6.8		0.1	1.00	1.95	88.0m	SQH4D22CS-6R8N-LF
8.2		0.1	0.90	1.85	96.5m	SQH4D22CS-8R2N-LF
10		0.1	0.80	1.82	0.102	SQH4D22CS-100N-LF
12		0.1	0.75	1.80	0.110	SQH4D22CS-120N-LF
15		0.1	0.68	1.59	0.127	SQH4D22CS-150N-LF
18		0.1	0.60	1.41	0.169	SQH4D22CS-180N-LF
22		0.1	0.54	1.32	0.200	SQH4D22CS-220N-LF
27		0.1	0.51	1.04	0.283	SQH4D22CS-270N-LF
33		0.1	0.48	1.02	0.326	SQH4D22CS-330N-LF
39		0.1	0.43	0.85	0.451	SQH4D22CS-390N-LF
47		0.1	0.38	0.82	0.500	SQH4D22CS-470N-LF
56		0.1	0.36	0.72	0.555	SQH4D22CS-560N-LF
68		0.1	0.33	0.67	0.634	SQH4D22CS-680N-LF
82		0.1	0.30	0.58	0.795	SQH4D22CS-820N-LF
100		0.1	0.25	0.55	0.880	SQH4D22CS-101N-LF
120		0.1	0.23	0.52	1.140	SQH4D22CS-121N-LF
150		0.1	0.21	0.47	1.350	SQH4D22CS-151N-LF

- I_{sat} : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms} : The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SQH4D28CS



- Size : 5.0x5.0x3.0 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

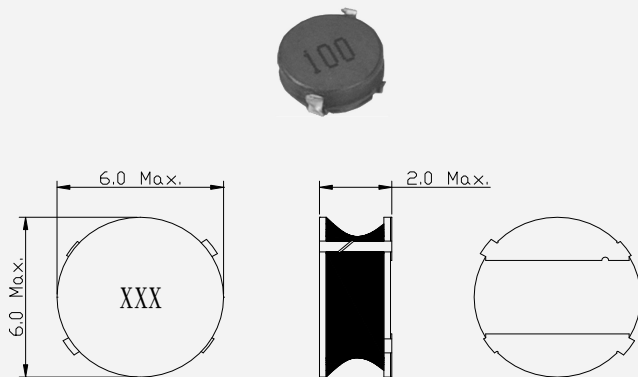
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A)	DCR (mΩ) (Max.)	Ordering code
1.2	±30%=N	0.1	2.56	23.6	SQH4D28CS-1R2N-LF
1.8		0.1	2.20	27.5	SQH4D28CS-1R8N-LF
2.2		0.1	2.04	31.3	SQH4D28CS-2R2N-LF
2.7		0.1	1.60	43.3	SQH4D28CS-2R7N-LF
3.3		0.1	1.57	49.2	SQH4D28CS-3R3N-LF
3.9		0.1	1.44	64.8	SQH4D28CS-3R9N-LF
4.7		0.1	1.32	72.0	SQH4D28CS-4R7N-LF
5.6		0.1	1.17	100.9	SQH4D28CS-5R6N-LF
6.8		0.1	1.12	108.9	SQH4D28CS-6R8N-LF
8.2		0.1	1.04	117.5	SQH4D28CS-8R2N-LF
10		0.1	1.00	128.3	SQH4D28CS-100N-LF
12		0.1	0.84	131.6	SQH4D28CS-120N-LF
15		0.1	0.76	149.0	SQH4D28CS-150N-LF
18		0.1	0.72	166.0	SQH4D28CS-180N-LF
22	±20%=M	0.1	0.70	235.0	SQH4D28CS-220M-LF
27		0.1	0.58	261.0	SQH4D28CS-270M-LF
33		0.1	0.56	331.3	SQH4D28CS-330M-LF
39		0.1	0.50	383.7	SQH4D28CS-390M-LF
47		0.1	0.48	587.0	SQH4D28CS-470M-LF
56		0.1	0.41	624.5	SQH4D28CS-560M-LF
68		0.1	0.35	699.0	SQH4D28CS-680M-LF
82		0.1	0.32	914.8	SQH4D28CS-820M-LF
100		0.1	0.29	1020.0	SQH4D28CS-101M-LF
120		0.1	0.27	1270.0	SQH4D28CS-121M-LF
150		0.1	0.24	1350.0	SQH4D28CS-151M-LF
180		0.1	0.22	1540.0	SQH4D28CS-181M-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SQH5D18CS



- Size : 6.0x6.0x2.0 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

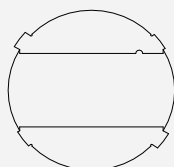
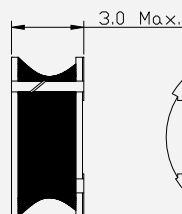
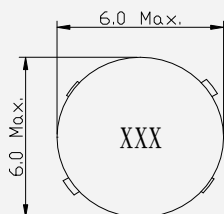
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A)	DCR (mΩ) (Max.)	Ordering code
4.1	±30%=N	0.01	2.56	23.6	SQH5D18CS-4R1N-LF
4.7		0.01	2.20	27.5	SQH5D18CS-4R7N-LF
5.4		0.01	2.04	31.3	SQH5D18CS-5R4N-LF
5.6		0.01	1.60	43.3	SQH5D18CS-5R6N-LF
6.2		0.01	1.57	49.2	SQH5D18CS-6R2N-LF
6.8		0.01	1.44	64.8	SQH5D18CS-6R8N-LF
8.2		0.01	1.32	72.0	SQH5D18CS-8R2N-LF
8.9		0.01	1.17	100.9	SQH5D18CS-8R9N-LF
10		0.01	1.12	108.9	SQH5D18CS-100N-LF
12		0.01	1.04	117.5	SQH5D18CS-120N-LF
15		0.01	1.00	128.3	SQH5D18CS-150N-LF
18		0.01	0.84	131.6	SQH5D18CS-180N-LF
22	±20%=M	0.01	0.76	149.0	SQH5D18CS-220M-LF
27		0.01	0.72	166.0	SQH5D18CS-270M-LF
33		0.01	0.70	235.0	SQH5D18CS-330M-LF
39		0.01	0.58	261.0	SQH5D18CS-390M-LF
47		0.01	0.56	331.3	SQH5D18CS-470M-LF
56		0.01	0.50	383.7	SQH5D18CS-560M-LF
68		0.01	0.48	587.0	SQH5D18CS-680M-LF
82		0.01	0.41	624.5	SQH5D18CS-820M-LF
100		0.01	0.35	699.0	SQH5D18CS-101M-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms : The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SQH5D28CS



- Size : 6.0x6.0x3.0 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

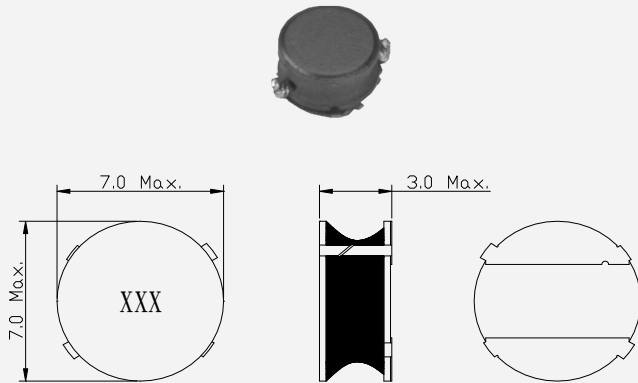
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A)	DCR (mΩ) (Max.)	Ordering code
2.5	±30%=N	0.01	2.60	18	SQH5D28CS-2R5N-LF
3.0		0.01	2.40	24	SQH5D28CS-3R0N-LF
4.2		0.01	2.20	31	SQH5D28CS-4R2N-LF
5.3		0.01	1.90	38	SQH5D28CS-5R3N-LF
6.2		0.01	1.80	45	SQH5D28CS-6R2N-LF
8.2		0.01	1.60	53	SQH5D28CS-8R2N-LF
10		0.01	1.30	65	SQH5D28CS-100N-LF
12		0.01	1.20	76	SQH5D28CS-120N-LF
15		0.01	1.10	103	SQH5D28CS-150N-LF
18		0.01	1.00	110	SQH5D28CS-180N-LF
22	±20%=M	0.01	0.90	122	SQH5D28CS-220M-LF
27		0.01	0.85	175	SQH5D28CS-270M-LF
33		0.01	0.75	189	SQH5D28CS-330M-LF
39		0.01	0.70	212	SQH5D28CS-390M-LF
47		0.01	0.62	250	SQH5D28CS-470M-LF
56		0.01	0.58	305	SQH5D28CS-560M-LF
68		0.01	0.52	355	SQH5D28CS-680M-LF
82		0.01	0.46	463	SQH5D28CS-820M-LF
100		0.01	0.42	520	SQH5D28CS-101M-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SQH6D28CS



- Size : 7.0x7.0x3.0 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

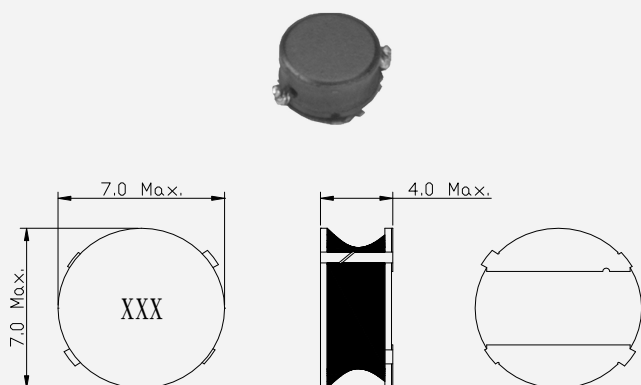
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A)	DCR (mΩ) (Max.)	Ordering code
3.0	±30%=N	0.01	3.00	24	SQH6D28CS-3R0N-LF
3.9		0.01	2.60	27	SQH6D28CS-3R9N-LF
5.0		0.01	2.40	31	SQH6D28CS-5R0N-LF
6.0		0.01	2.25	35	SQH6D28CS-6R0N-LF
7.3		0.01	2.10	54	SQH6D28CS-7R3N-LF
8.6		0.01	1.85	58	SQH6D28CS-8R6N-LF
10		0.01	1.70	65	SQH6D28CS-100N-LF
12		0.01	1.55	70	SQH6D28CS-120N-LF
15		0.01	1.40	84	SQH6D28CS-150N-LF
18		0.01	1.32	95	SQH6D28CS-180N-LF
22		0.01	1.20	128	SQH6D28CS-220N-LF
27		0.01	1.05	142	SQH6D28CS-270N-LF
33		0.01	0.97	165	SQH6D28CS-330N-LF
39		0.01	0.86	210	SQH6D28CS-390N-LF
47		0.01	0.80	238	SQH6D28CS-470N-LF
56		0.01	0.73	277	SQH6D28CS-560N-LF
68		0.01	0.65	304	SQH6D28CS-680N-LF
82		0.01	0.60	390	SQH6D28CS-820N-LF
100		0.01	0.54	535	SQH6D28CS-101N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SQH6D38CS



- Size : 7.0x7.0x4.0 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

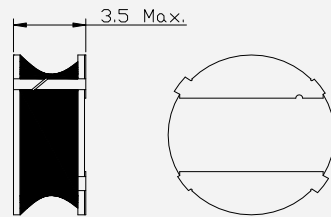
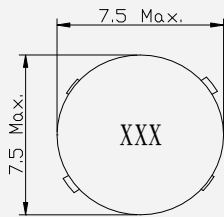
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A)	DCR (mΩ) (Max.)	Ordering code
3.3	±30%=N	0.01	3.50	20	SQH6D38CS-3R3N-LF
5.0		0.01	2.90	24	SQH6D38CS-5R0N-LF
6.2		0.01	2.50	27	SQH6D38CS-6R2N-LF
7.4		0.01	2.30	31	SQH6D38CS-7R4N-LF
8.7		0.01	2.20	34	SQH6D38CS-8R7N-LF
10		0.01	2.00	38	SQH6D38CS-100N-LF
12		0.01	1.70	53	SQH6D38CS-120N-LF
15		0.01	1.60	57	SQH6D38CS-150N-LF
18		0.01	1.50	92	SQH6D38CS-180N-LF
22	±20%=M	0.01	1.30	96	SQH6D38CS-220M-LF
27		0.01	1.20	109	SQH6D38CS-270M-LF
33		0.01	1.10	124	SQH6D38CS-330M-LF
39		0.01	1.00	138	SQH6D38CS-390M-LF
47		0.01	0.95	155	SQH6D38CS-470M-LF
56		0.01	0.85	202	SQH6D38CS-560M-LF
68		0.01	0.75	234	SQH6D38CS-680M-LF
82		0.01	0.70	324	SQH6D38CS-820M-LF
100		0.01	0.65	358	SQH6D38CS-101M-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes Δ40°C. (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SQH73CS



- Size : 7.5x7.5x3.5 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

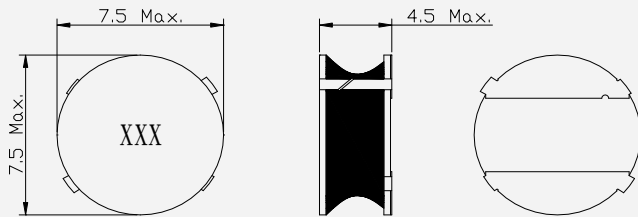
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±20%=M	0.001	1.68	0.072	SQH73CS-100M-LF
12		0.001	1.52	0.098	SQH73CS-120M-LF
15		0.001	1.33	0.13	SQH73CS-150M-LF
18		0.001	1.20	0.14	SQH73CS-180M-LF
22		0.001	1.07	0.19	SQH73CS-220M-LF
27		0.001	0.96	0.21	SQH73CS-270M-LF
33		0.001	0.91	0.24	SQH73CS-330M-LF
39		0.001	0.77	0.32	SQH73CS-390M-LF
47		0.001	0.76	0.36	SQH73CS-470M-LF
56		0.001	0.68	0.47	SQH73CS-560M-LF
68		0.001	0.61	0.52	SQH73CS-680M-LF
82		0.001	0.57	0.69	SQH73CS-820M-LF
100		0.001	0.50	0.79	SQH73CS-101M-LF
120		0.001	0.49	0.89	SQH73CS-121M-LF
150		0.001	0.43	1.27	SQH73CS-151M-LF
180		0.001	0.39	1.45	SQH73CS-181M-LF
220		0.001	0.35	1.65	SQH73CS-221M-LF
270		0.001	0.32	2.31	SQH73CS-271M-LF
330		0.001	0.28	2.62	SQH73CS-331M-LF
390		0.001	0.26	2.94	SQH73CS-391M-LF
470		0.001	0.24	4.18	SQH73CS-471M-LF
560		0.001	0.22	4.67	SQH73CS-561M-LF
680		0.001	0.19	5.73	SQH73CS-681M-LF
820		0.001	0.18	6.54	SQH73CS-821M-LF
1000		0.001	0.16	9.44	SQH73CS-102M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SQH74CS



- Size : 7.5x7.5x4.5 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

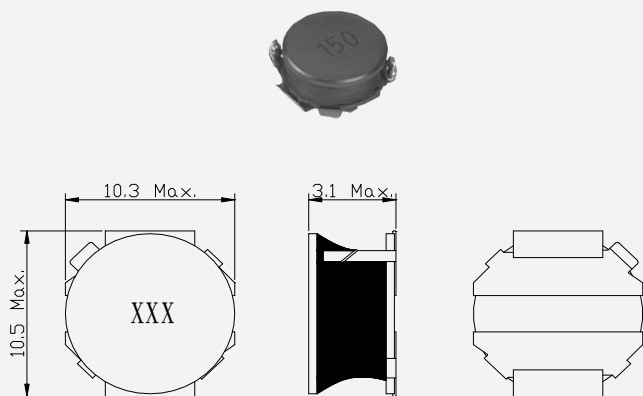
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±20%=M	0.001	1.84	0.049	SDS74CS-100M-LF
12		0.001	1.71	0.058	SDS74CS-120M-LF
15		0.001	1.47	0.081	SDS74CS-150M-LF
18		0.001	1.31	0.091	SDS74CS-180M-LF
22		0.001	1.23	0.110	SDS74CS-220M-LF
27		0.001	1.12	0.150	SDS74CS-270M-LF
33		0.001	0.96	0.170	SDS74CS-330M-LF
39		0.001	0.91	0.230	SDS74CS-390M-LF
47		0.001	0.88	0.260	SDS74CS-470M-LF
56		0.001	0.75	0.350	SDS74CS-560M-LF
68		0.001	0.69	0.380	SDS74CS-680M-LF
82		0.001	0.61	0.430	SDS74CS-820M-LF
100		0.001	0.60	0.610	SDS74CS-101M-LF
120		0.001	0.52	0.660	SDS74CS-121M-LF
150		0.001	0.46	0.880	SDS74CS-151M-LF
180		0.001	0.42	0.980	SDS74CS-181M-LF
220		0.001	0.36	1.170	SDS74CS-221M-LF
270		0.001	0.34	1.640	SDS74CS-271M-LF
330		0.001	0.32	1.860	SDS74CS-331M-LF
390		0.001	0.29	2.850	SDS74CS-391M-LF
470		0.001	0.26	3.010	SDS74CS-471M-LF
560		0.001	0.23	3.620	SDS74CS-561M-LF
680		0.001	0.22	4.630	SDS74CS-681M-LF
820		0.001	0.20	5.200	SDS74CS-821M-LF
1000		0.001	0.18	6.000	SDS74CS-102M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SQH103CS



- Size : 10.5x10.3x3.1 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

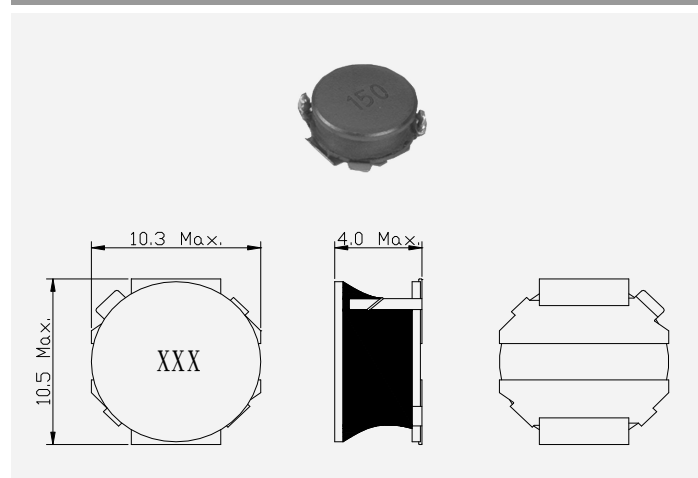
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
0.8	±30%=N	0.1	11.2	8.30	5.7	SQH103CS-0R8N-LF
1.5		0.1	8.0	5.80	11.0	SQH103CS-1R5N-LF
2.2		0.1	6.7	5.10	16.9	SQH103CS-2R2N-LF
3.3		0.1	5.56	4.70	21.0	SQH103CS-3R3N-LF
4.7		0.1	4.65	4.00	30.0	SQH103CS-4R7N-LF
6.8		0.1	3.84	3.60	35.0	SQH103CS-6R8N-LF
8.2		0.1	3.54	3.00	50.0	SQH103CS-8R2N-LF
10		0.1	3.18	2.80	59.0	SQH103CS-100N-LF
15		0.1	2.60	2.05	91.0	SQH103CS-150N-LF
22		0.1	2.16	1.60	143	SQH103CS-220N-LF
33		0.1	1.74	1.35	202	SQH103CS-330N-LF
47		0.1	1.43	1.20	299	SQH103CS-470N-LF
56		0.1	1.36	1.15	325	SQH103CS-560N-LF
68		0.1	1.22	0.95	429	SQH103CS-680N-LF
82		0.1	1.14	0.80	494	SQH103CS-820N-LF
100		0.1	1.02	0.70	683	SQH103CS-101N-LF
120		0.1	0.89	0.65	754	SQH103CS-121N-LF
150		0.1	0.84	0.51	871	SQH103CS-151N-LF

- I_{sat} : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes Δ40°C . (T_a=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SQH104CS



- Size : 10.5x10.3x4.0 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

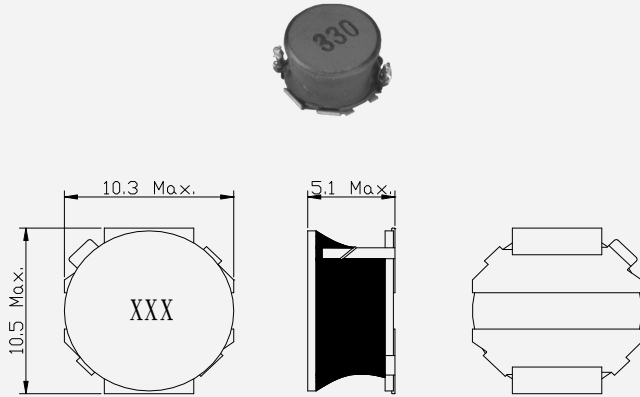
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	Irms (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
1.5	±30%=N	0.1	10.0	6.50	8.1	SQH104CS-1R5N-LF
2.5		0.1	7.50	6.10	10.5	SQH104CS-2R5N-LF
3.8		0.1	6.00	5.50	13.0	SQH104CS-3R8N-LF
5.2		0.1	5.50	5.40	22.0	SQH104CS-5R2N-LF
7.0		0.1	4.80	4.50	27.0	SQH104CS-7R0N-LF
10		0.1	4.40	3.80	35.0	SQH104CS-100N-LF
12		0.1	3.70	3.40	46.0	SQH104CS-120N-LF
15		0.1	3.60	3.10	50.0	SQH104CS-150N-LF
18		0.1	3.10	2.60	69.0	SQH104CS-180N-LF
22		0.1	2.90	2.50	73.0	SQH104CS-220N-LF
27		0.1	2.60	2.30	88.0	SQH104CS-270N-LF
33		0.1	2.30	2.20	93.0	SQH104CS-330N-LF
39		0.1	2.20	2.00	127	SQH104CS-390N-LF
47		0.1	2.10	1.90	128	SQH104CS-470N-LF
56		0.1	1.65	1.50	188	SQH104CS-560N-LF
68		0.1	1.50	1.42	213	SQH104CS-680N-LF
82		0.1	1.45	1.30	283	SQH104CS-820N-LF
100		0.1	1.35	1.25	304	SQH104CS-101N-LF
120		0.1	1.20	1.08	375	SQH104CS-121N-LF
150		0.1	1.15	0.85	506	SQH104CS-151N-LF
180		0.1	1.00	0.75	568	SQH104CS-181N-LF
220		0.1	0.92	0.70	756	SQH104CS-221N-LF
270		0.1	0.84	0.55	853	SQH104CS-271N-LF
330		0.1	0.70	0.52	1090	SQH104CS-331N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SQH105CS



- Size : 10.5x10.3x5.1 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

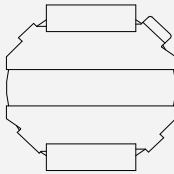
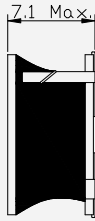
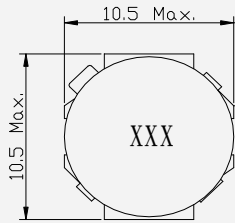
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
0.8	±30%=N	0.1	13.5	9.50	4.3	SQH105CS-0R8N-LF
1.5		0.1	10.5	8.30	5.8	SQH105CS-1R5N-LF
2.2		0.1	9.25	7.50	7.2	SQH105CS-2R2N-LF
3.3		0.1	7.80	6.50	10.4	SQH105CS-3R3N-LF
4.7		0.1	6.40	6.10	12.3	SQH105CS-4R7N-LF
6.8		0.1	5.40	5.40	18	SQH105CS-6R8N-LF
8.2		0.1	4.85	5.00	20	SQH105CS-8R2N-LF
10		0.1	4.45	4.50	26	SQH105CS-100N-LF
12		0.1	4.00	3.80	33	SQH105CS-120N-LF
15		0.1	3.60	3.40	41	SQH105CS-150N-LF
18		0.1	3.20	3.10	46	SQH105CS-180N-LF
22		0.1	2.95	2.90	61	SQH105CS-220N-LF
27		0.1	2.70	2.60	69	SQH105CS-270N-LF
33		0.1	2.40	2.50	84	SQH105CS-330N-LF
39		0.1	2.30	2.25	106	SQH105CS-390N-LF
47		0.1	2.00	2.00	130	SQH105CS-470N-LF
56		0.1	1.90	1.90	149	SQH105CS-560N-LF
68		0.1	1.65	1.60	201	SQH105CS-680N-LF
82		0.1	1.50	1.45	227	SQH105CS-820N-LF
100		0.1	1.35	1.35	253	SQH105CS-101N-LF
120		0.1	1.28	1.18	303	SQH105CS-121N-LF
150		0.1	1.12	1.10	370	SQH105CS-151N-LF
180		0.1	1.04	1.00	419	SQH105CS-181N-LF
220		0.1	0.94	0.94	500	SQH105CS-221N-LF
270		0.1	0.84	0.80	672	SQH105CS-271N-LF
330		0.1	0.75	0.73	812	SQH105CS-331N-LF
390		0.1	0.70	0.70	953	SQH105CS-391N-LF
470		0.1	0.60	0.54	1289	SQH105CS-471N-LF
560		0.1	0.54	0.52	1430	SQH105CS-561N-LF
680		0.1	0.52	0.51	1599	SQH105CS-681N-LF
820		0.1	0.50	0.48	1768	SQH105CS-821N-LF
1000		0.1	0.48	0.42	1989	SQH105CS-102N-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

SMT Power Inductors

SQH107CS



- Size : 10.5x10.5x7.1 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

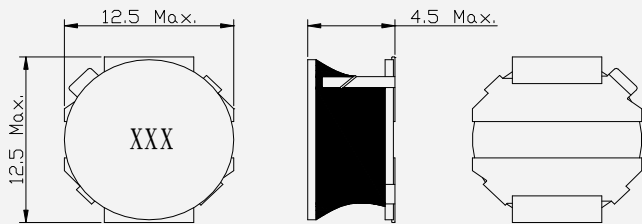
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A)	I _{rms} (A)	DCR (mΩ) (Max.)	Ordering code
2.2	±30%=N	0.1	9.8	9.0	7.20	SQH107CS-2R2N-LF
3.3		0.1	8.4	8.0	8.50	SQH107CS-3R3N-LF
4.7		0.1	7.9	7.0	9.80	SQH107CS-4R7N-LF
6.0		0.1	6.5	5.5	14.0	SQH107CS-6R0N-LF
8.2		0.1	5.1	5.3	15.8	SQH107CS-8R2N-LF
10	±20%=M	0.1	4.8	4.4	21.5	SQH107CS-100M-LF
15		0.1	4.5	3.6	34.5	SQH107CS-150M-LF
18		0.1	3.6	3.4	37.0	SQH107CS-180M-LF
22		0.1	3.0	3.2	40.2	SQH107CS-220M-LF
33		0.1	2.7	2.6	60.4	SQH107CS-330M-LF
47		0.1	2.4	2.1	106.3	SQH107CS-470M-LF
68		0.1	2.0	1.7	149.8	SQH107CS-680M-LF
82		0.1	1.7	1.6	163.3	SQH107CS-820M-LF
100		0.1	1.5	1.5	205.0	SQH107CS-101M-LF
150		0.1	1.3	1.3	291.9	SQH107CS-151M-LF
180		0.1	1.2	1.2	325.7	SQH107CS-181M-LF
220		0.1	1.0	1.1	362.4	SQH107CS-221M-LF
330		0.1	0.8	0.9	525.1	SQH107CS-331M-LF
470		0.1	0.7	0.8	739.6	SQH107CS-471M-LF

- Isat : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms}: The actual current when temperature of coil becomes Δ40°C . (Ta=+25°C)
- Operating temperature range -40°C to +125°C
- Electrical specifications at 25°C.

SMT Power Inductors

SQH124CS



- Size : 12.5x12.5x4.5 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

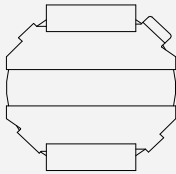
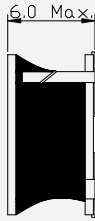
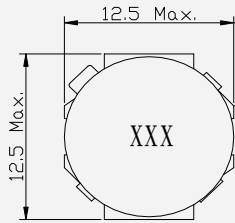
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 400 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
3.9	±30%=N	0.1	6.50	0.015	SQH124CS-3R9N-LF
4.7		0.1	5.70	0.018	SQH124CS-4R7N-LF
6.8		0.1	4.90	0.023	SQH124CS-6R8N-LF
8.2		0.1	4.60	0.026	SQH124CS-8R2N-LF
10	±20%=M	0.1	4.50	0.028	SQH124CS-100M-LF
12		0.1	4.00	0.038	SQH124CS-120M-LF
15		0.1	3.20	0.050	SQH124CS-150M-LF
18		0.1	3.10	0.057	SQH124CS-180M-LF
22		0.1	2.90	0.066	SQH124CS-220M-LF
27		0.1	2.80	0.080	SQH124CS-270M-LF
33		0.1	2.70	0.097	SQH124CS-330M-LF
39		0.1	2.10	0.132	SQH124CS-390M-LF
47		0.1	1.90	0.160	SQH124CS-470M-LF
56		0.1	1.80	0.190	SQH124CS-560M-LF
68		0.1	1.50	0.220	SQH124CS-680M-LF
82		0.1	1.30	0.260	SQH124CS-820M-LF
100		0.1	1.20	0.308	SQH124CS-101M-LF
120		0.1	1.10	0.380	SQH124CS-121M-LF
150		0.1	0.95	0.530	SQH124CS-151M-LF
180		0.1	0.85	0.620	SQH124CS-181M-LF
220		0.1	0.80	0.700	SQH124CS-221M-LF
270		0.1	0.60	0.870	SQH124CS-271M-LF
330		0.1	0.50	0.990	SQH124CS-331M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SQH125CS



- Size : 12.5x12.5x6.0 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

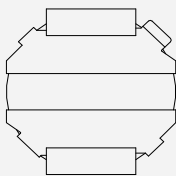
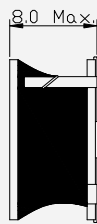
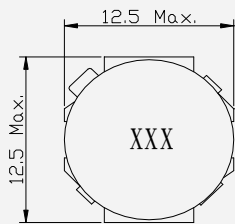
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 400 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.3	±30%=N	7.96	8.00	0.012	SQH125CS-1R3N-LF
2.1		7.96	7.00	0.014	SQH125CS-2R1N-LF
3.1		7.96	6.00	0.017	SQH125CS-3R1N-LF
4.4		7.96	5.00	0.020	SQH125CS-4R4N-LF
5.8		7.96	4.40	0.021	SQH125CS-5R8N-LF
7.5		7.96	4.20	0.024	SQH125CS-7R5N-LF
10	±20%=M	0.001	4.00	0.025	SQH125CS-100M-LF
12		0.001	3.50	0.027	SQH125CS-120M-LF
15		0.001	3.30	0.030	SQH125CS-150M-LF
18		0.001	3.00	0.034	SQH125CS-180M-LF
22		0.001	2.80	0.036	SQH125CS-220M-LF
27		0.001	2.30	0.051	SQH125CS-270M-LF
33		0.001	2.10	0.057	SQH125CS-330M-LF
39		0.001	2.00	0.068	SQH125CS-390M-LF
47		0.001	1.80	0.075	SQH125CS-470M-LF
56		0.001	1.70	0.110	SQH125CS-560M-LF
68		0.001	1.50	0.120	SQH125CS-680M-LF
82		0.001	1.40	0.140	SQH125CS-820M-LF
100		0.001	1.30	0.160	SQH125CS-101M-LF
120		0.001	1.10	0.170	SQH125CS-121M-LF
150		0.001	1.00	0.230	SQH125CS-151M-LF
180		0.001	0.90	0.290	SQH125CS-181M-LF
220		0.001	0.80	0.400	SQH125CS-221M-LF
270		0.001	0.75	0.460	SQH125CS-271M-LF
330		0.001	0.68	0.510	SQH125CS-331M-LF
390		0.001	0.65	0.690	SQH125CS-391M-LF
470		0.001	0.58	0.770	SQH125CS-471M-LF
560		0.001	0.54	0.860	SQH125CS-561M-LF
680		0.001	0.48	1.200	SQH125CS-681M-LF
820		0.001	0.43	1.340	SQH125CS-821M-LF
1000		0.001	0.40	1.530	SQH125CS-102M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C .

SMT Power Inductors

SQH127CS



- Size : 12.5x12.5x8.0 (mm)
- Core material : Ferrite + Magnetics Epoxy
- Magnetically shielded
- RoHS-compatible

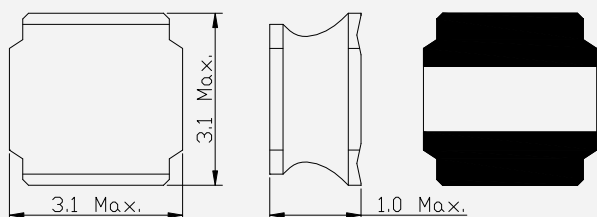
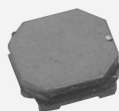
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)
 Delivery mode : Tape & reel packing
 Packing unit : 400 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L KHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.2	±30%=N	0.1	9.80	0.0070	SQH127CS-1R2N-LF
2.4		0.1	8.00	0.0115	SQH127CS-2R4N-LF
3.5		0.1	7.50	0.0135	SQH127CS-3R5N-LF
4.7		0.1	6.80	0.0158	SQH127CS-4R7N-LF
6.1		0.1	6.60	0.0176	SQH127CS-6R1N-LF
7.6		0.1	5.90	0.0200	SQH127CS-7R6N-LF
10	±20%=M	0.001	5.40	0.0216	SQH127CS-100M-LF
12		0.001	4.90	0.0243	SQH127CS-120M-LF
15		0.001	4.50	0.0270	SQH127CS-150M-LF
18		0.001	3.90	0.0392	SQH127CS-180M-LF
22		0.001	3.60	0.0432	SQH127CS-220M-LF
27		0.001	3.40	0.0459	SQH127CS-270M-LF
33		0.001	3.00	0.0648	SQH127CS-330M-LF
39		0.001	2.75	0.0729	SQH127CS-390M-LF
47		0.001	2.50	0.100	SQH127CS-470M-LF
56		0.001	2.35	0.110	SQH127CS-560M-LF
68		0.001	2.10	0.140	SQH127CS-680M-LF
82		0.001	1.95	0.160	SQH127CS-820M-LF
100		0.001	1.70	0.220	SQH127CS-101M-LF
120		0.001	1.60	0.250	SQH127CS-121M-LF
150		0.001	1.42	0.280	SQH127CS-151M-LF
180		0.001	1.30	0.350	SQH127CS-181M-LF
220		0.001	1.16	0.390	SQH127CS-221M-LF
270		0.001	1.06	0.560	SQH127CS-271M-LF
330		0.001	0.95	0.640	SQH127CS-331M-LF
390		0.001	0.88	0.700	SQH127CS-391M-LF
470		0.001	0.79	0.980	SQH127CS-471M-LF
560		0.001	0.73	1.070	SQH127CS-561M-LF
680		0.001	0.67	1.460	SQH127CS-681M-LF
820		0.001	0.60	1.640	SQH127CS-821M-LF
1000		0.001	0.55	1.820	SQH127CS-102M-LF

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SQH3010S



■ Size : 3.1x3.1x1.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

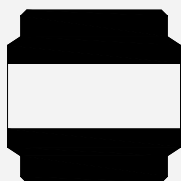
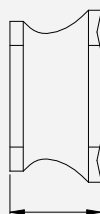
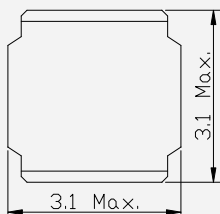
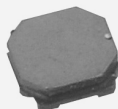
Packing unit : 2000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	I_{sat} (A) Max.	I_{rms} (A) Max.	DCR (Ω) Max.	Ordering code
1.0	$\pm 20\% = M$ $\pm 30\% = N$	0.1	1.70	1.525	0.078	SQH3010S-1R0N-LF
1.5		0.1	1.40	1.470	0.096	SQH3010S-1R5N-LF
2.2		0.1	1.25	1.270	0.114	SQH3010S-2R2M-LF
3.3		0.1	0.90	1.130	0.192	SQH3010S-3R3M-LF
4.7		0.1	0.85	0.925	0.228	SQH3010S-4R7M-LF
6.8		0.1	0.66	0.710	0.360	SQH3010S-6R8M-LF
10		0.1	0.53	0.630	0.540	SQH3010S-100M-LF
15		0.1	0.42	0.475	0.888	SQH3010S-150M-LF
22		0.1	0.36	0.430	1.176	SQH3010S-220M-LF
33		0.1	0.28	0.345	1.860	SQH3010S-330M-LF
47		0.1	0.24	0.270	2.400	SQH3010S-470M-LF

- I_{sat} : Based on Inductance decrease 30%
- I_{rms} : Based on Temperature increase 40°C
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SQH3012S



■ Size : 3.1x3.1x1.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

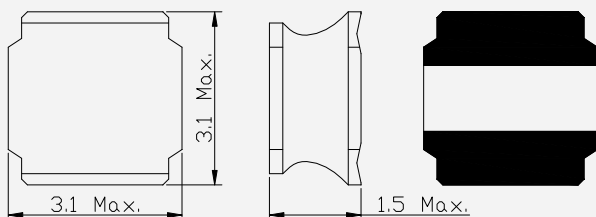
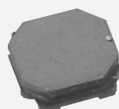
Packing unit : 2000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	I_{sat} (A)	I_{rms} (A)	DCR (m Ω) Max.	Ordering code
1.0	$\pm 30\% = N$	0.1	1.50	1.49	60	SQH3012S-1R0N-LF
1.5		0.1	1.36	1.40	72	SQH3012S-1R5N-LF
2.2	$\pm 20\% = M$	0.1	1.10	1.20	96	SQH3012S-2R2M-LF
3.3		0.1	0.91	1.05	120	SQH3012S-3R3M-LF
4.7		0.1	0.77	0.98	156	SQH3012S-4R7M-LF
6.8		0.1	0.67	0.74	228	SQH3012S-6R8M-LF
10		0.1	0.54	0.63	348	SQH3012S-100M-LF
15		0.1	0.44	0.485	540	SQH3012S-150M-LF
22		0.1	0.375	0.42	756	SQH3012S-220M-LF
33		0.1	0.31	0.33	1236	SQH3012S-330M-LF
47		0.1	0.25	0.28	1740	SQH3012S-470M-LF

- I_{sat} : Based on inductance change ($\Delta L/L_0$: $\leq -30\%$) @ ambient temp. 25°C.
- I_{rms} : Based on temperature rise (ΔT : 40°C typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SQH3015S



■ Size : 3.1x3.1x1.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

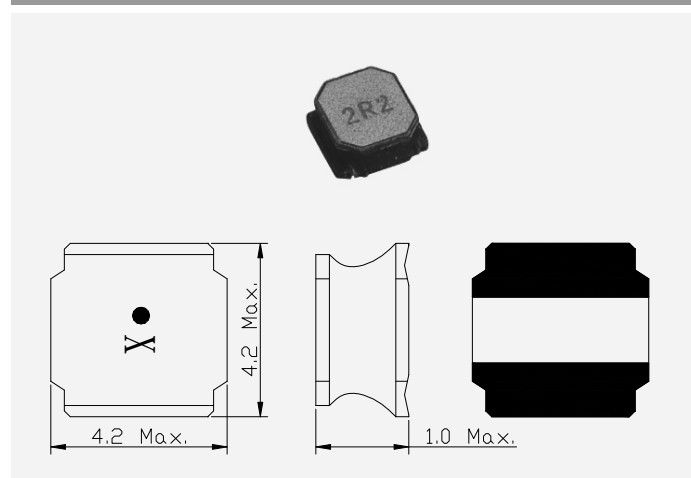
Packing unit : 2000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	Isat (A)	Irms (A)	DCR (m Ω) Max.	Ordering code
1.0	$\pm 30\%$ =N	0.1	2.10	2.10	36	SQH3015S-1R0N-LF
1.5		0.1	1.80	1.82	48	SQH3015S-1R5N-LF
2.2	$\pm 20\%$ =M	0.1	1.48	1.50	72	SQH3015S-2R2M-LF
3.3		0.1	1.21	1.23	96	SQH3015S-3R3M-LF
4.7		0.1	1.02	1.04	144	SQH3015S-4R7M-LF
6.8		0.1	0.87	0.88	192	SQH3015S-6R8M-LF
10		0.1	0.70	0.71	276	SQH3015S-100M-LF
15		0.1	0.56	0.56	432	SQH3015S-150M-LF
22		0.1	0.47	0.47	624	SQH3015S-220M-LF
33		0.1	0.39	0.37	1008	SQH3015S-330M-LF
47		0.1	0.32	0.30	1608	SQH3015S-470M-LF

- Isat : Based on inductance change ($\Delta L/L_0$: $\leq -30\%$) @ ambient temp. 25°C.
- Irms : Based on temperature rise (ΔT : 40°C typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SQH4010S



■ Size : 4.2x4.2x1.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Inductance Symbol

Delivery mode : Tape & reel packing

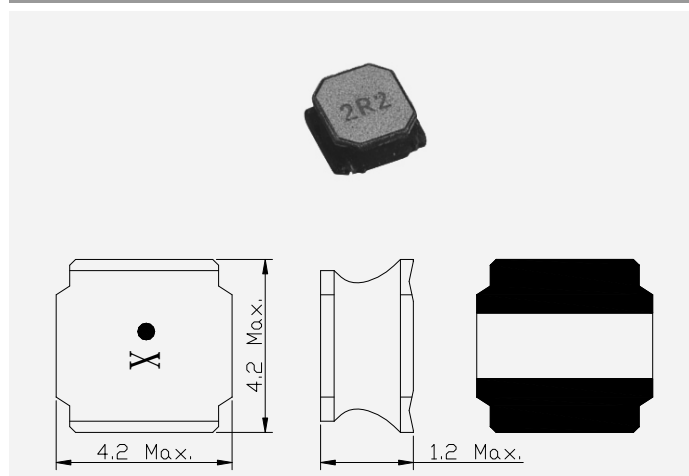
Packing unit : 5000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	Isat (A)	Irms (A)	DCR (m Ω) Max.	Stamp	Ordering code
1.0	$\pm 30\% = N$	0.1	2.00	1.90	67.2	A	SQH4010S-1R0N-LF
2.2	$\pm 20\% = M$	0.1	1.20	1.50	102	C	SQH4010S-2R2M-LF
3.3		0.1	1.10	1.40	120	E	SQH4010S-3R3M-LF
4.7		0.1	0.95	1.20	168	H	SQH4010S-4R7M-LF
6.8		0.1	0.80	1.00	240	I	SQH4010S-6R8M-LF
10		0.1	0.62	0.75	360	K	SQH4010S-100M-LF
15		0.1	0.54	0.60	516	M	SQH4010S-150M-LF
22		0.1	0.45	0.50	684	N	SQH4010S-220M-LF

- Isat : Based on inductance change ($\Delta L/L_0$: $\leq -30\%$) @ ambient temp. 25°C.
- Irms : Based on temperature rise (ΔT : 40°C typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SQH4012S



■ Size : 4.2x4.2x1.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Inductance Symbol

Delivery mode : Tape & reel packing

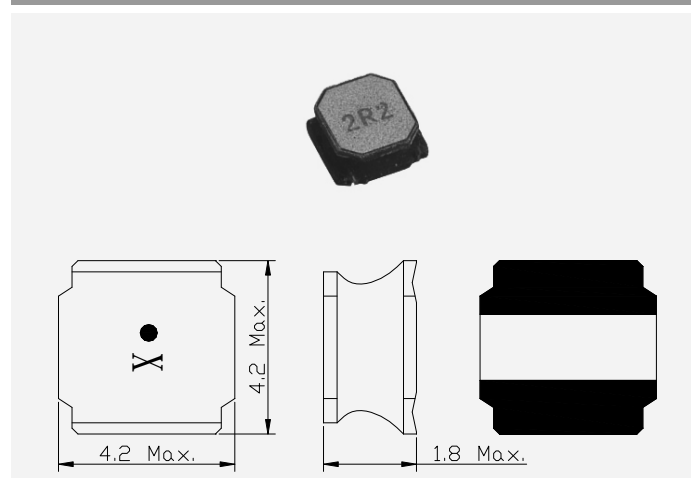
Packing unit : 4500 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	Isat (A)	I _{rms} (A)	DCR (m Ω) Max.	Stamp	Ordering code
1.0	$\pm 30\% = N$	0.1	2.80	2.80	50.4	A	SQH4012S-1R0N-LF
2.2	$\pm 20\% = M$	0.1	1.65	1.65	72	C	SQH4012S-2R2M-LF
3.3		0.1	1.40	1.40	84	E	SQH4012S-3R3M-LF
4.7		0.1	1.20	1.20	114	H	SQH4012S-4R7M-LF
6.8		0.1	0.90	0.90	150	I	SQH4012S-6R8M-LF
10		0.1	0.80	0.80	204	K	SQH4012S-100M-LF
15		0.1	0.65	0.65	312	M	SQH4012S-150M-LF
22		0.1	0.50	0.50	480	N	SQH4012S-220M-LF

- Isat : Based on inductance change ($\Delta L/L_0$: $\leq -30\%$) @ ambient temp. 25°C.
- I_{rms} : Based on temperature rise (ΔT : 40°C typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SQH4018S



■ Size : 4.2x4.2x1.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : Inductance Symbol

Delivery mode : Tape & reel packing

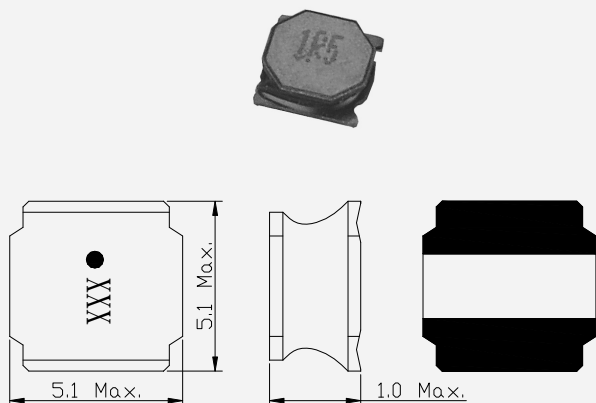
Packing unit : 3500 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	Isat (A)	I _{rms} (A)	DCR (m Ω) Max.	Stamp	Ordering code
1.0	$\pm 30\%$ =N	0.1	4.00	3.20	32.4	A	SQH4018S-1R0N-LF
2.2	$\pm 20\%$ =M	0.1	3.00	2.20	50.4	C	SQH4018S-2R2M-LF
3.3		0.1	2.30	2.00	66	E	SQH4018S-3R3M-LF
4.7		0.1	2.00	1.70	84	H	SQH4018S-4R7M-LF
6.8		0.1	1.60	1.45	117.6	I	SQH4018S-6R8M-LF
10		0.1	1.30	1.20	180	K	SQH4018S-100M-LF
15		0.1	1.10	0.85	252	M	SQH4018S-150M-LF
22		0.1	0.90	0.72	348	N	SQH4018S-220M-LF
33		0.1	0.70	0.55	552	P	SQH4018S-330M-LF

- Isat : Based on inductance change ($\Delta L/L_0$: $\leq -30\%$) @ ambient temp. 25°C.
- I_{rms} : Based on temperature rise (ΔT : 40°C typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SQH5010S



■ Size : 5.1x5.1x1.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

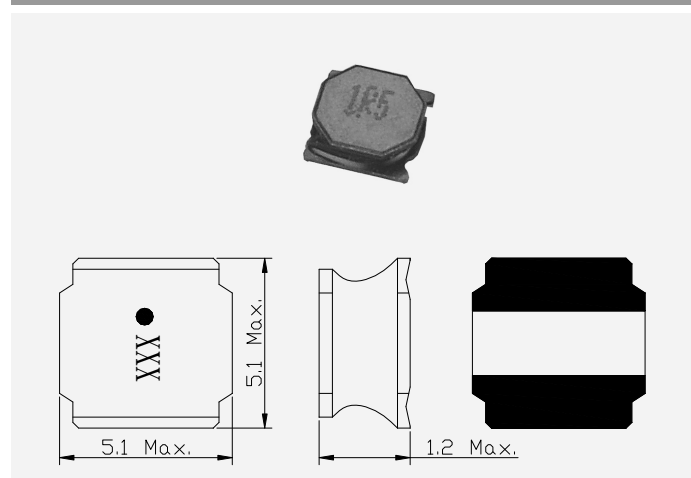
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A)	I _{rms} (A)	DCR (Ω) Max.	Ordering code
1.0	±30%=N ±20%=M	0.1	2.35	1.75	0.084	SQH5010S-1R0N-LF
2.2		0.1	1.50	1.40	0.126	SQH5010S-2R2N-LF
3.3		0.1	1.40	1.25	0.150	SQH5010S-3R3M-LF
4.7		0.1	1.20	1.15	0.174	SQH5010S-4R7M-LF
6.8		0.1	1.00	1.00	0.222	SQH5010S-6R8M-LF
10		0.1	0.85	0.90	0.300	SQH5010S-100M-LF
15		0.1	0.68	0.65	0.480	SQH5010S-150M-LF
22		0.1	0.55	0.45	0.720	SQH5010S-220M-LF

- Isat : Based on inductance change ($\Delta L/L_0$: $\leq -30\%$) @ ambient temp. 25°C.
- I_{rms} : Based on temperature rise (ΔT : 40°C typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 40°C.

SMT Power Inductors

SQH5012S



■ Size : 5.1x5.1x1.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

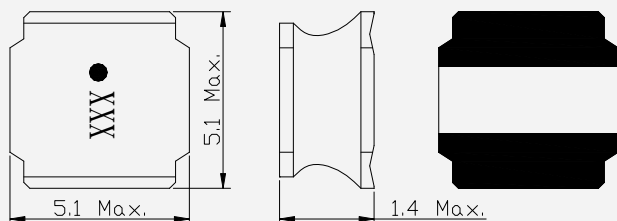
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) Max.	I _{rms} (A) Max.	DCR (mΩ) Max.	Ordering code
1.0	±30%=N	0.1	4.50	2.30	63.6	SQH5012S-1R0N-LF
1.5		0.1	3.80	2.20	84	SQH5012S-1R5N-LF
2.2	±20%=M	0.1	3.10	2.00	102	SQH5012S-2R2M-LF
3.3		0.1	2.40	1.45	192	SQH5012S-3R3M-LF
4.7		0.1	2.20	1.40	216	SQH5012S-4R7M-LF
6.8		0.1	1.70	1.10	312	SQH5012S-6R8M-LF
10		0.1	1.40	0.85	504	SQH5012S-100M-LF
15		0.1	1.20	0.64	804	SQH5012S-150M-LF

- Isat : Based on inductance change ($\Delta L/L_0$: $\leq -30\%$) @ ambient temp. 25°C.
- I_{rms} : Based on temperature rise (ΔT : 40°C typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SQH5014S



■ Size : 5.1x5.1x1.4 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

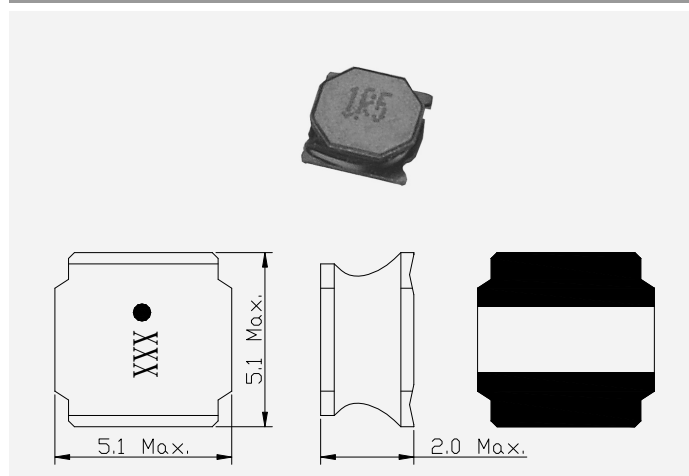
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) Max.	I _{rms} (A) Max.	DCR (mΩ) Max.	Ordering code
1.2	±30%=N	0.1	3.80	2.40	54	SQH5014S-1R2N-LF
2.2		0.1	2.80	2.00	78	SQH5014S-2R2N-LF
3.3		0.1	2.35	1.70	96	SQH5014S-3R3N-LF
4.7		0.1	2.05	1.40	120	SQH5014S-4R7N-LF
6.8	±20%=M	0.1	1.60	1.20	180	SQH5014S-6R8M-LF
10		0.1	1.40	1.05	240	SQH5014S-100M-LF

- Isat : Based on inductance change ($\Delta L/L_0$: $\leq -30\%$) @ ambient temp. 25°C.
- I_{rms} : Based on temperature rise (ΔT : 40°C typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SQH5020S



■ Size : 5.1x5.1x2.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

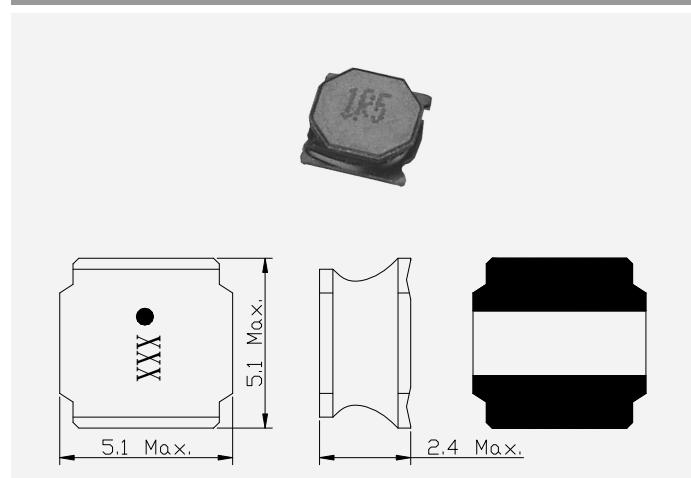
Packing unit : 800 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) Max.	I _{rms} (A) Max.	DCR (mΩ) Max.	Ordering code
1.0	±30%=N	0.1	4.00	3.60	25.2	SQH5020S-1R0N-LF
1.5		0.1	3.35	3.20	31.2	SQH5020S-1R5N-LF
2.2		0.1	2.90	2.90	42	SQH5020S-2R2N-LF
3.3		0.1	2.40	2.40	57.6	SQH5020S-3R3N-LF
4.7	±20%=M	0.1	2.00	2.00	72	SQH5020S-4R7M-LF
6.8		0.1	1.60	1.65	108	SQH5020S-6R8M-LF
10		0.1	1.30	1.45	144	SQH5020S-100M-LF
15		0.1	1.10	1.20	198	SQH5020S-150M-LF
22		0.1	0.90	1.00	312	SQH5020S-220M-LF

- Isat : Based on inductance change ($\Delta L/L_0$: $\leq -30\%$) @ ambient temp. 25°C.
- I_{rms} : Based on temperature rise (ΔT : 40°C typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SQH5024S



■ Size : 5.1x5.1x2.4 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

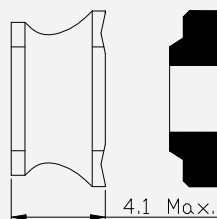
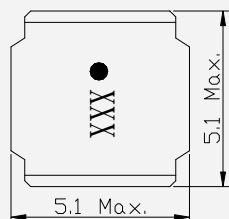
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A)	I _{rms} (A)	DCR (mΩ) Max.	Ordering code
1.0	±30%=N	0.1	5.80	4.40	19.2	SQH5024S-1R0N-LF
1.5		0.1	5.20	3.60	26.4	SQH5024S-1R5N-LF
2.2		0.1	4.10	3.10	34.8	SQH5024S-2R2N-LF
3.3		0.1	3.10	2.40	51.6	SQH5024S-3R3N-LF
4.7	±20%=M	0.1	2.70	2.00	66.0	SQH5024S-4R7M-LF
6.8		0.1	2.20	1.60	96.0	SQH5024S-6R8M-LF
10		0.1	1.70	1.20	150	SQH5024S-100M-LF
15		0.1	1.40	1.00	204	SQH5024S-150M-LF
22		0.1	1.20	0.82	276	SQH5024S-220M-LF
33		0.1	1.00	0.63	444	SQH5024S-330M-LF

- Isat : Based on inductance change ($\Delta L/L_0$: $\leq -30\%$) @ ambient temp. 25°C.
- I_{rms} : Based on temperature rise (ΔT : 40°C typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SQH5040S



■ Size : 5.1x5.1x4.1 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

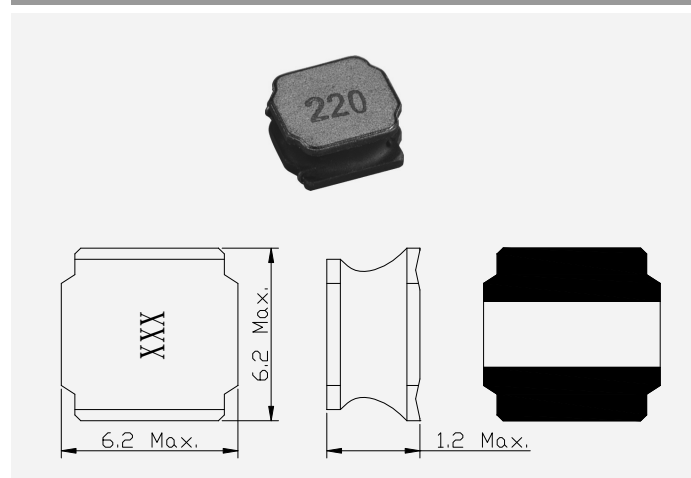
Packing unit : 1500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) Max.	I _{rms} (A) Max.	DCR (mΩ) Max.	Ordering code
1.5	±30%=N	0.1	6.40	4.50	20.4	SQH5040S-1R5N-LF
2.2		0.1	5.00	3.70	26.4	SQH5040S-2R2N-LF
3.3		0.1	4.00	3.30	32.4	SQH5040S-3R3N-LF
4.7		0.1	3.30	3.10	34.8	SQH5040S-4R7N-LF
6.8	±20%=M	0.1	2.80	2.40	58.8	SQH5040S-6R8M-LF
10		0.1	2.30	2.10	67.2	SQH5040S-100M-LF
15		0.1	2.00	1.80	96	SQH5040S-150M-LF
22		0.1	1.50	1.40	151.2	SQH5040S-220M-LF
33		0.1	1.30	1.20	216	SQH5040S-330M-LF
47		0.1	1.10	0.90	372	SQH5040S-470M-LF

- I_{sat} : Based on inductance change ($\Delta L/L_0$: $\leq -30\%$) @ ambient temp. 25°C.
- I_{rms} : Based on temperature rise (ΔT : 40°C typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SQH6012S



■ Size : 6.2x6.2x1.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

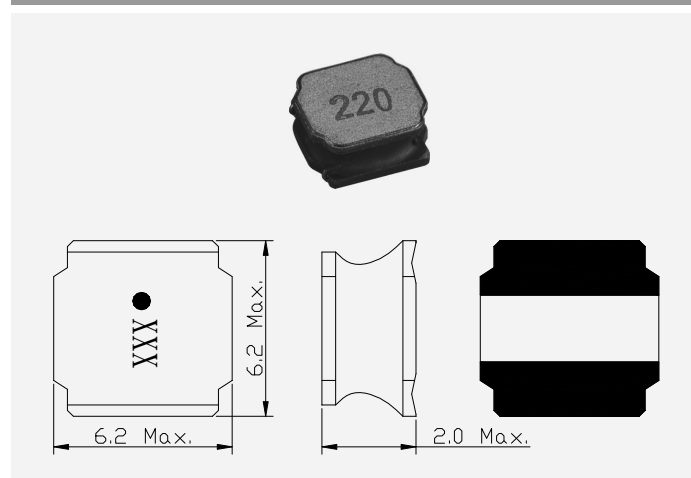
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A)	I _{rms} (A)	DCR (Ω) Max.	Ordering code
2.5	±30%=N	0.1	2.10	1.73	0.108	SQH6012S-2R5N-LF
4.0		0.1	1.80	1.57	0.126	SQH6012S-4R0N-LF
5.3	±20%=M	0.1	1.50	1.40	0.150	SQH6012S-5R3M-LF
6.8		0.1	1.30	1.18	0.198	SQH6012S-6R8M-LF
10		0.1	1.00	1.00	0.282	SQH6012S-100M-LF
15		0.1	0.80	0.79	0.396	SQH6012S-150M-LF
22		0.1	0.76	0.63	0.636	SQH6012S-220M-LF
33		0.1	0.59	0.53	0.840	SQH6012S-330M-LF
47		0.1	0.52	0.46	1.26	SQH6012S-470M-LF
68		0.1	0.44	0.41	1.62	SQH6012S-680M-LF
100		0.1	0.35	0.32	2.616	SQH6012S-101M-LF

- Isat : Based on inductance change ($\Delta L/L_0 : \leq -30\%$) @ ambient temp. 25°C
- I_{rms} : Based on temperature rise ($\Delta T : 40^\circ\text{C}$ typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 20°C.

SMT Power Inductors

SQH6020S



■ Size : 6.2x6.2x2.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

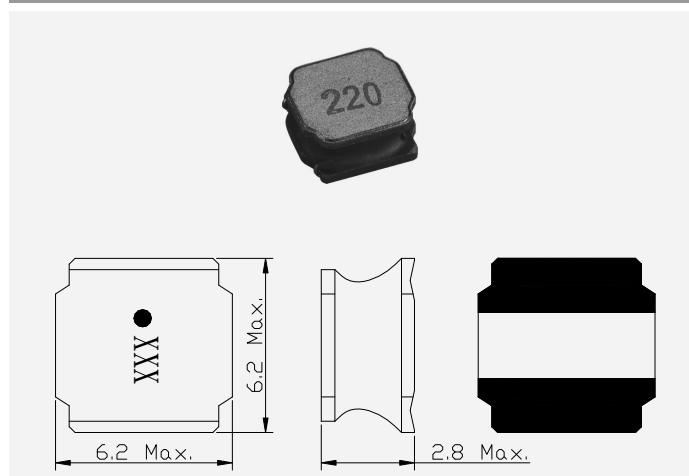
Packing unit : 2500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A)	I _{rms} (A)	DCR (mΩ) Max.	Ordering code
0.8	±30%=N	0.1	6.40	4.10	24	SQH6020S-0R8N-LF
1.5		0.1	4.30	3.60	31.2	SQH6020S-1R5N-LF
2.2		0.1	3.20	2.90	40.8	SQH6020S-2R2N-LF
3.3		0.1	2.80	2.75	48	SQH6020S-3R3N-LF
4.7		0.1	2.40	2.15	69.6	SQH6020S-4R7N-LF
6.8	±20%=M	0.1	2.00	1.80	102	SQH6020S-6R8N-LF
10		0.1	1.90	1.50	150	SQH6020S-100M-LF
22		0.1	1.25	0.95	348	SQH6020S-220M-LF

- Isat : Based on inductance change ($\Delta L/L_0 : \leq -30\%$) @ ambient temp. 25°C
- I_{rms} : Based on temperature rise ($\Delta T : 40^\circ\text{C}$ typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 20°C.

SMT Power Inductors

SQH6028S



■ Size : 6.2x6.2x2.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

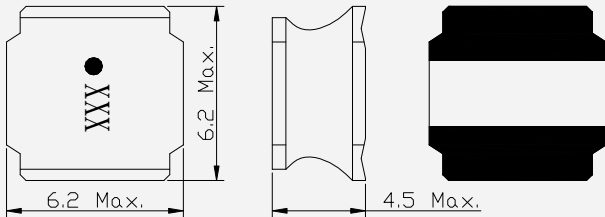
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A)	I _{rms} (A)	DCR (mΩ) Max.	Ordering code
0.9	±30%=N	0.1	6.70	4.60	16.9	SQH6028S-0R9N-LF
1.5		0.1	5.10	4.20	20.8	SQH6028S-1R5N-LF
2.2		0.1	4.20	3.70	26	SQH6028S-2R2N-LF
3.0		0.1	3.60	3.40	29.9	SQH6028S-3R0N-LF
4.7	±20%=M	0.1	2.70	3.00	40.3	SQH6028S-4R7M-LF
6.0		0.1	2.50	2.50	52	SQH6028S-6R0M-LF
10		0.1	1.90	1.90	84.5	SQH6028S-100M-LF
15		0.1	1.60	1.80	123.5	SQH6028S-150M-LF
22		0.1	1.30	1.40	175.5	SQH6028S-220M-LF
33		0.1	1.10	1.10	286	SQH6028S-330M-LF
47		0.1	1.00	0.92	390	SQH6028S-470M-LF
68		0.1	0.80	0.77	546	SQH6028S-680M-LF
100		0.1	0.65	0.66	780	SQH6028S-101M-LF

- Isat : Based on inductance change ($\Delta L/L_0 : \leq -30\%$) @ ambient temp. 25°C
- I_{rms} : Based on temperature rise ($\Delta T : 40^\circ\text{C}$ typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 20°C.

SMT Power Inductors

SQH6045S



■ Size : 6.2x6.2x4.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

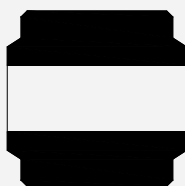
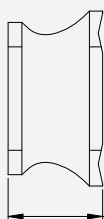
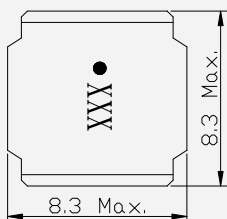
Packing unit : 1500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A)	I _{rms} (A)	DCR (mΩ) Max.	Ordering code
1.0	±30%=N	0.1	9.80	4.50	16.8	SQH6045S-1R0N-LF
1.3		0.1	8.20	4.20	19.2	SQH6045S-1R3N-LF
1.8		0.1	7.20	3.90	22.8	SQH6045S-1R8N-LF
2.3	±20%=M	0.1	6.40	3.60	26.4	SQH6045S-2R3M-LF
3.0		0.1	5.60	3.30	28.8	SQH6045S-3R0M-LF
4.5		0.1	4.40	3.10	36	SQH6045S-4R5M-LF
6.3		0.1	3.60	3.00	43.2	SQH6045S-6R3M-LF
10		0.1	3.10	2.40	55.2	SQH6045S-100M-LF
15		0.1	2.50	1.90	84	SQH6045S-150M-LF
22		0.1	2.00	1.60	128.4	SQH6045S-220M-LF
33		0.1	1.65	1.40	169.2	SQH6045S-330M-LF
47		0.1	1.40	1.15	253.2	SQH6045S-470M-LF
68		0.1	1.10	0.95	364.8	SQH6045S-680M-LF
100		0.1	0.90	0.75	559.2	SQH6045S-101M-LF

- I_{sat} : Based on inductance change ($\Delta L/L_0 : \leq -30\%$) @ ambient temp. 25°C
- I_{rms} : Based on temperature rise ($\Delta T : 40^\circ\text{C}$ typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 20°C.

SMT Power Inductors

SQH8040S



■ Size : 8.3x8.3x4.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

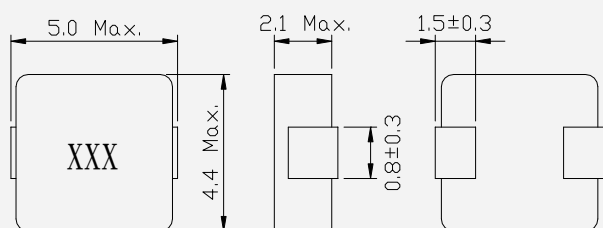
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A)	I _{rms} (A)	DCR (mΩ) (Max.)	Ordering code
0.9	±30%=N	0.1	13.00	7.80	7.2	SQH8040S-R90N-LF
1.4		0.1	10.00	7.00	8.4	SQH8040S-1R4N-LF
2.0		0.1	8.10	6.30	10.8	SQH8040S-2R0N-LF
3.6		0.1	6.40	4.90	18.0	SQH8040S-3R6N-LF
4.7		0.1	5.40	4.10	21.6	SQH8040S-4R7N-LF
6.8		0.1	4.40	3.70	30.0	SQH8040S-6R8N-LF
10	±20%=M	0.1	3.80	3.10	40.8	SQH8040S-100M-LF
15		0.1	2.90	2.40	60.0	SQH8040S-150M-LF
22		0.1	2.40	2.20	79.2	SQH8040S-220M-LF
33		0.1	1.90	1.70	130	SQH8040S-330M-LF
47		0.1	1.50	1.40	195	SQH8040S-470M-LF
68		0.1	1.20	1.10	299	SQH8040S-680M-LF
100		0.1	1.00	1.00	377	SQH8040S-101M-LF

- Isat : Based on inductance change ($\Delta L/L_0 : \leq -30\%$) @ ambient temp. 25°C
- I_{rms} : Based on temperature rise ($\Delta T : 40^\circ\text{C}$ typ.)
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP0402EB



■ Size : 5.0x4.4x2.1 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

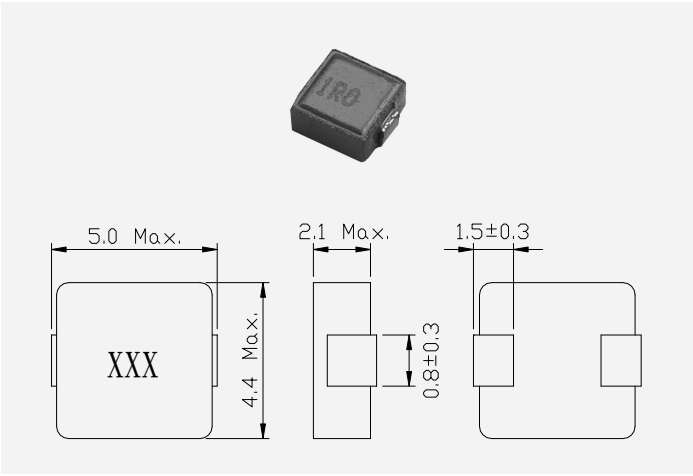
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.10	±20%=M	0.1	35.0	11.0	4.5	5.0	SEP0402EB-R10M-LF
0.22		0.1	24.0	13.0	7.3	8.0	SEP0402EB-R22M-LF
0.47		0.1	11.5	5.60	16.0	18.0	SEP0402EB-R47M-LF
1.0		0.1	8.50	3.75	33.0	37.0	SEP0402EB-1R0M-LF
2.2		0.1	6.00	2.85	80.0	90.0	SEP0402EB-2R2M-LF

- I_{sat} : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP0402EC



- Size : 5.0x4.4x2.1 (mm)
- Core material : Iron
- Magnetically shielded
- RoHS-compatible

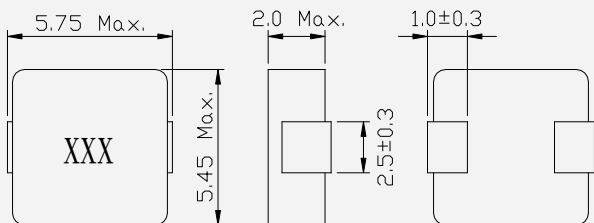
Terminals : Lead-free tinned
Solderability : Reflow soldering
Marking : L value (μH, coded)
Delivery mode : Tape & reel packing
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.10	±20%=M	0.1	12.0	12.0	4.1	4.5	SEP0402EC-R10M-LF
0.22		0.1	9.00	9.00	6.5	7.0	SEP0402EC-R22M-LF
0.47		0.1	7.00	7.00	14.5	16.0	SEP0402EC-R47M-LF
1.0		0.1	5.00	4.50	24.0	27.0	SEP0402EC-1R0M-LF
2.2		0.1	3.25	3.25	61.0	68.0	SEP0402EC-2R2M-LF
4.7		0.1	1.75	1.70	95.0	105.0	SEP0402EC-4R7M-LF

- I_{sat} : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP0502EB



■ Size : 5.75x5.45x2.0 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

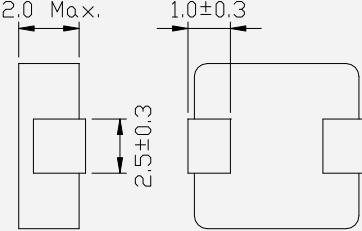
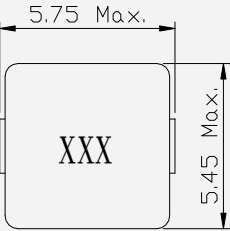
Packing unit : 1500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.10	±20%=M	0.1	45.0	17.0	3.60	3.90	SEP0502EB-R10M-LF
0.22		0.1	22.0	15.0	4.90	5.20	SEP0502EB-R22M-LF
0.33		0.1	25.0	12.0	7.60	8.20	SEP0502EB-R33M-LF
0.47		0.1	21.0	11.5	8.90	9.40	SEP0502EB-R47M-LF
0.68		0.1	15.0	10.0	11.2	12.4	SEP0502EB-R68M-LF
1.0		0.1	16.0	7.00	18.9	20.0	SEP0502EB-1R0M-LF
2.2		0.1	12.5	4.20	45.6	50.1	SEP0502EB-2R2M-LF
3.3		0.1	8.50	3.30	79.2	85.5	SEP0502EB-3R3M-LF
4.7		0.1	5.00	2.80	108	116.6	SEP0502EB-4R7M-LF
5.6		0.1	4.50	2.50	113	122.0	SEP0502EB-5R6M-LF
6.8		0.1	4.30	2.40	139	150.0	SEP0502EB-6R8M-LF
10		0.1	4.00	2.30	184	199.0	SEP0502EB-100M-LF

- I_{sat} : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP0502EC



- Size : 5.75x5.45x2.0 (mm)
- Core material : Iron
- Magnetically shielded
- RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

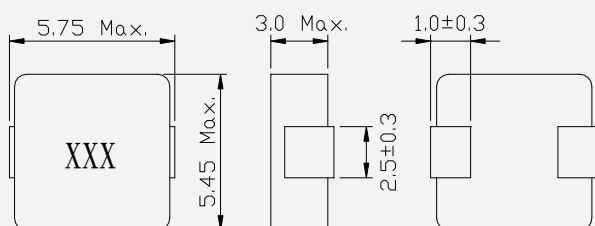
Packing unit : 1500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.10	±20%=M	0.1	25.0	21.0	2.70	2.90	SEP0502EC-R10M-LF
0.22		0.1	13.0	17.0	4.10	4.50	SEP0502EC-R22M-LF
0.33		0.1	7.50	13.0	5.50	5.90	SEP0502EC-R33M-LF
0.47		0.1	8.00	12.5	7.10	7.70	SEP0502EC-R47M-LF
1.0		0.1	7.00	7.50	16.8	18.1	SEP0502EC-1R0M-LF
2.2		0.1	5.50	5.00	34.9	37.7	SEP0502EC-2R2M-LF
3.3		0.1	4.70	4.10	53.5	57.8	SEP0502EC-3R3M-LF
4.7		0.1	3.00	3.20	75.3	81.3	SEP0502EC-4R7M-LF
5.6		0.1	2.20	3.00	85.2	92.0	SEP0502EC-5R6M-LF
10		0.1	2.00	2.20	169.3	182.8	SEP0502EC-100M-LF

- I_{sat} : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP0503EB



■ Size : 5.75x5.45x3.0 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

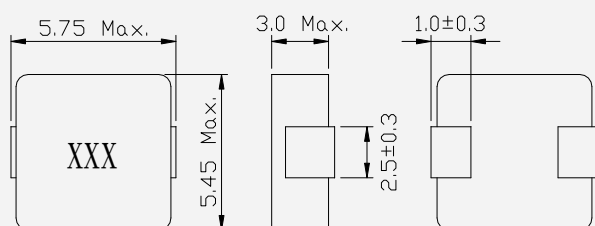
Packing unit : 1500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.10	±20%=M	0.1	27.0	23.0	3.00	3.16	SEP0503EB-R10M-LF
0.22		0.1	21.0	15.5	4.30	4.52	SEP0503EB-R22M-LF
0.33		0.1	19.0	13.7	5.70	5.56	SEP0503EB-R33M-LF
0.47		0.1	15.0	12.2	6.70	7.04	SEP0503EB-R47M-LF
0.68		0.1	13.5	10.2	8.53	8.96	SEP0503EB-R68M-LF
0.82		0.1	13.0	9.30	11.3	11.9	SEP0503EB-R82M-LF
1.0		0.1	12.0	9.20	13.1	13.7	SEP0503EB-1R0M-LF
1.5		0.1	11.0	7.20	19.7	20.7	SEP0503EB-1R5M-LF
2.2		0.1	10.0	5.80	27.8	29.2	SEP0503EB-2R2M-LF
3.3		0.1	8.50	5.00	52.1	54.7	SEP0503EB-3R3M-LF
4.7		0.1	8.20	3.50	73.8	77.5	SEP0503EB-4R7M-LF
5.6		0.1	4.10	3.00	103	108	SEP0503EB-5R6M-LF
10		0.1	4.00	2.50	152	158	SEP0503EB-100M-LF
15		0.1	2.50	1.90	252	265	SEP0503EB-150M-LF

- I_{sat} : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP0503EC



■ Size : 5.75x5.45x3.0 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

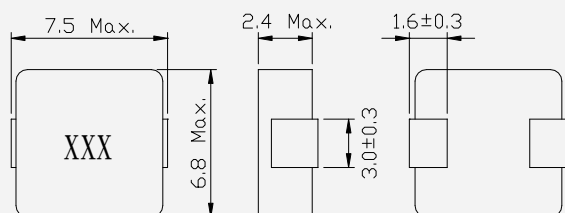
Packing unit : 1500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.10	±20%=M	0.1	25.0	21.0	2.60	2.90	SEP0503EC-R10M-LF
0.22		0.1	14.5	21.0	3.50	3.90	SEP0503EC-R22M-LF
0.33		0.1	9.00	16.5	4.50	5.00	SEP0503EC-R33M-LF
0.47		0.1	9.00	14.0	5.40	6.00	SEP0503EC-R47M-LF
1.0		0.1	6.50	10.0	10.0	11.0	SEP0503EC-1R0M-LF
1.5		0.1	7.00	7.50	17.1	18.5	SEP0503EC-1R5M-LF
2.2		0.1	5.50	6.75	22.5	25.0	SEP0503EC-2R2M-LF
3.3		0.1	7.00	5.50	36.4	40.4	SEP0503EC-3R3M-LF
4.7		0.1	5.20	4.50	54.0	60.0	SEP0503EC-4R7M-LF
5.6		0.1	3.50	4.25	63.0	70.6	SEP0503EC-5R6M-LF
10		0.1	2.25	2.75	122.1	131.9	SEP0503EC-100M-LF
22		0.1	1.70	1.90	250.0	260.0	SEP0503EC-220M-LF

- I_{sat} : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP0602E



■ Size : 7.5x6.8x2.4 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

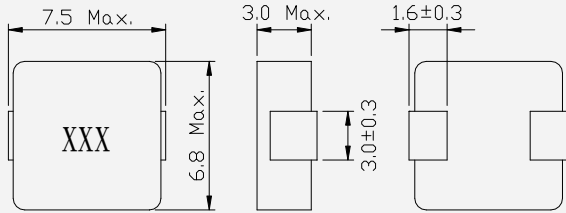
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.47	±20%=M	0.1	19.0	14.0	6.5	SEP0602E-R47M-LF
0.68		0.1	18.0	11.5	9.4	SEP0602E-R68M-LF
0.82		0.1	16.0	10.5	11.8	SEP0602E-R82M-LF
1.0		0.1	15.0	10.0	14.2	SEP0602E-1R0M-LF
1.5		0.1	13.0	8.0	21.2	SEP0602E-1R5M-LF
2.2		0.1	12.0	7.0	34.0	SEP0602E-2R2M-LF
3.3		0.1	9.0	5.5	51.6	SEP0602E-3R3M-LF
4.7		0.1	7.5	5.0	63.0	SEP0602E-4R7M-LF
6.8		0.1	6.0	4.0	95.0	SEP0602E-6R8M-LF
8.2		0.1	5.5	3.5	106.0	SEP0602E-8R2M-LF
10		0.1	5.0	3.0	129.0	SEP0602E-100M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP0603EB



■ Size : 7.5x6.8x3.0 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

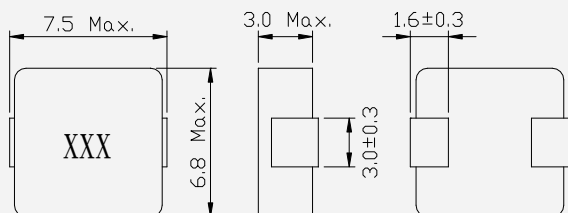
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.10	±20%=M	0.1	60.0	32.5	1.5	1.7	SEP0603EB-R10M-LF
0.15		0.1	45.0	30.0	1.9	2.5	SEP0603EB-R15M-LF
0.20		0.1	41.0	24.0	2.4	3.0	SEP0603EB-R20M-LF
0.22		0.1	40.0	23.0	2.5	2.8	SEP0603EB-R22M-LF
0.33		0.1	30.0	20.0	3.5	3.9	SEP0603EB-R33M-LF
0.36		0.1	26.0	20.0	2.6	3.9	SEP0603EB-R36M-LF
0.47		0.1	26.0	17.5	4.0	4.2	SEP0603EB-R47M-LF
0.56		0.1	25.5	16.5	4.7	5.0	SEP0603EB-R56M-LF
0.68		0.1	25.0	15.5	5.0	5.5	SEP0603EB-R68M-LF
0.82		0.1	24.0	13.0	6.7	8.0	SEP0603EB-R82M-LF
1.0		0.1	22.0	11.0	9.0	10.0	SEP0603EB-1R0M-LF
1.5		0.1	18.0	9.0	14.0	15.0	SEP0603EB-1R5M-LF
2.2		0.1	14.0	8.0	18.0	20.0	SEP0603EB-2R2M-LF
2.5		0.1	14.0	7.0	20.0	22.0	SEP0603EB-2R5M-LF
3.3		0.1	13.5	6.0	28.0	30.0	SEP0603EB-3R3M-LF
4.7		0.1	10.0	5.5	37.0	40.0	SEP0603EB-4R7M-LF
5.6		0.1	6.0	5.5	39.0	42.0	SEP0603EB-5R6M-LF
6.8		0.1	8.0	4.5	54.0	60.0	SEP0603EB-6R8M-LF
7.5		0.1	7.8	4.2	54.0	60.0	SEP0603EB-7R5M-LF
8.2		0.1	7.5	4.0	64.0	68.0	SEP0603EB-8R2M-LF
10		0.1	7.0	3.0	102.0	105.0	SEP0603EB-100M-LF

- Typical Saturation DC Current would cause L_o to drop approximately 30%
- Typical Heat Rating DC Current would cause an approximately ΔT of 40°C.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP0603EC



■ Size : 7.5x6.8x3.0 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

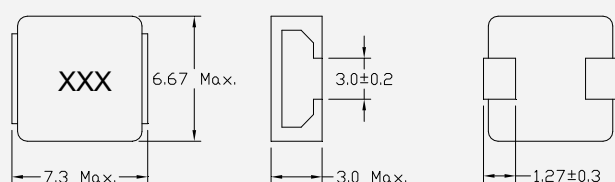
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Ordering code
1.0	±20%=M	0.1	9.5	12.5	7.6	8.00	SEP0603EC-1R0M-LF
2.2		0.1	7.0	9.0	15.7	16.5	SEP0603EC-2R2M-LF
3.3		0.1	6.5	7.0	24.8	26.0	SEP0603EC-3R3M-LF
4.7		0.1	4.0	6.0	31.8	33.4	SEP0603EC-4R7M-LF
6.8		0.1	4.0	5.5	44.6	46.8	SEP0603EC-6R8M-LF
8.2		0.1	4.0	5.0	52.3	54.9	SEP0603EC-8R2M-LF
10		0.1	3.5	4.0	67.8	71.2	SEP0603EC-100M-LF
22		0.1	3.5	2.9	128.9	135.0	SEP0603EC-220M-LF

- Typical Saturation DC Current would cause Lo to drop approximately 30%
- Typical Heat Rating DC Current would cause an approximately ΔT of 40°C.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP0603K



■ Size : 7.3x6.67x3.0 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

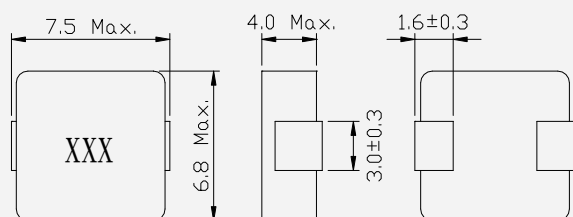
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.47	±20%=M	0.1	19.0	15.0	3.40	SEP0603K-R47M-LF
0.68		0.1	22.0	13.0	4.70	SEP0603K-R68M-LF
0.82		0.1	18.0	10.5	6.60	SEP0603K-R82M-LF
1.0		0.1	17.5	9.5	7.10	SEP0603K-1R0M-LF
1.5		0.1	16.0	9.0	10.7	SEP0603K-1R5M-LF
2.2		0.1	14.0	8.0	13.9	SEP0603K-2R2M-LF
3.3		0.1	11.0	6.0	28.0	SEP0603K-3R3M-LF
4.7		0.1	7.5	5.0	38.8	SEP0603K-4R7M-LF
6.8		0.1	6.5	4.5	48.9	SEP0603K-6R8M-LF
8.2		0.1	6.0	4.0	55.9	SEP0603K-8R2M-LF
10		0.1	5.0	3.5	64.0	SEP0603K-100M-LF

- I_{sat} : DC current at which the inductance drops 20% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP0604EB



■ Size : 7.5x6.8x4.0 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

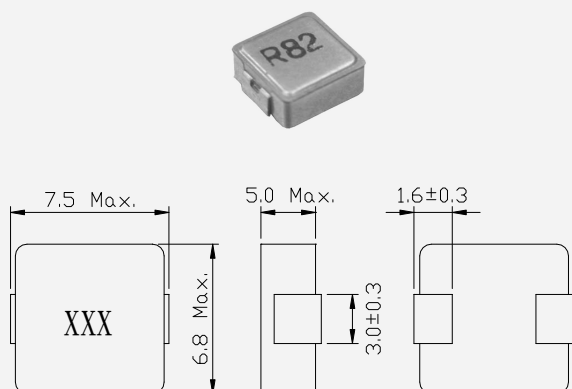
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.47	±20%=M	0.1	22.0	20.0	3.0	SEP0604EB-R47M-LF
0.68		0.1	20.0	18.0	5.0	SEP0604EB-R68M-LF
0.82		0.1	18.0	16.0	6.5	SEP0604EB-R82M-LF
1.0		0.1	17.0	14.0	7.0	SEP0604EB-1R0M-LF
1.5		0.1	15.0	12.0	8.5	SEP0604EB-1R5M-LF
2.2		0.1	13.0	10.0	17.0	SEP0604EB-2R2M-LF
3.3		0.1	11.0	9.0	27.0	SEP0604EB-3R3M-LF
4.7		0.1	9.0	7.0	35.0	SEP0604EB-4R7M-LF
6.8		0.1	8.0	6.0	45.0	SEP0604EB-6R8M-LF
8.2		0.1	7.0	5.0	60.0	SEP0604EB-8R2M-LF
10		0.1	6.0	4.0	70.0	SEP0604EB-100M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP0605EB



■ Size : 7.5x6.8x5.0 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

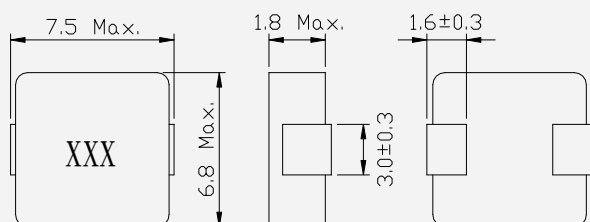
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.56	±20%=M	0.1	12.0	20.0	3.4	3.6	SEP0605EB-R56M-LF
0.68		0.1	11.5	18.0	4.2	4.5	SEP0605EB-R68M-LF
0.82		0.1	13.0	16.5	4.6	4.9	SEP0605EB-R82M-LF
1.0		0.1	15.0	13.0	5.6	6.5	SEP0605EB-1R0M-LF
1.5		0.1	12.0	12.0	8.6	9.0	SEP0605EB-1R5M-LF
2.2		0.1	10.0	10.0	13.0	13.6	SEP0605EB-2R2M-LF
3.3		0.1	8.0	8.0	19.9	20.9	SEP0605EB-3R3M-LF
4.7		0.1	7.0	6.5	28.9	30.3	SEP0605EB-4R7M-LF
5.6		0.1	7.0	6.0	32.7	34.4	SEP0605EB-5R6M-LF
6.8		0.1	5.5	5.5	42.5	44.6	SEP0605EB-6R8M-LF
8.2		0.1	5.0	5.0	48.3	50.7	SEP0605EB-8R2M-LF
10		0.1	4.5	4.5	67.9	71.3	SEP0605EB-100M-LF

- I_{sat} : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP0618E



■ Size : 7.5x6.8x1.8 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

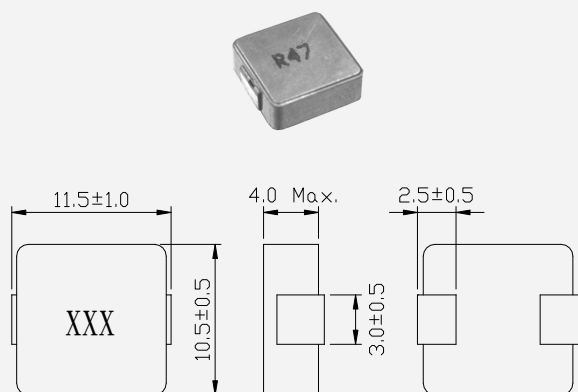
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.10	±20%=M	0.1	40.0	18.0	3.5	SEP0618E-R10M-LF
0.15		0.1	38.0	15.0	5.2	SEP0618E-R15M-LF
0.22		0.1	26.0	14.0	5.0	SEP0618E-R22M-LF
0.33		0.1	18.0	12.0	7.0	SEP0618E-R33M-LF
0.47		0.1	18.0	11.0	9.3	SEP0618E-R47M-LF
0.68		0.1	17.0	9.0	13.9	SEP0618E-R68M-LF
0.82		0.1	17.0	8.0	15.9	SEP0618E-R82M-LF
1.0		0.1	14.0	7.0	18.3	SEP0618E-1R0M-LF
1.5		0.1	11.5	4.0	34.0	SEP0618E-1R5M-LF
2.2		0.1	13.0	3.75	46.0	SEP0618E-2R2M-LF
2.5		0.1	10.4	3.5	52.4	SEP0618E-2R5M-LF
3.3		0.1	10.0	3.25	60.1	SEP0618E-3R3M-LF
4.7		0.1	8.0	3.0	78.0	SEP0618E-4R7M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP1004EA



■ Size : 11.5x10.5x4.0 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

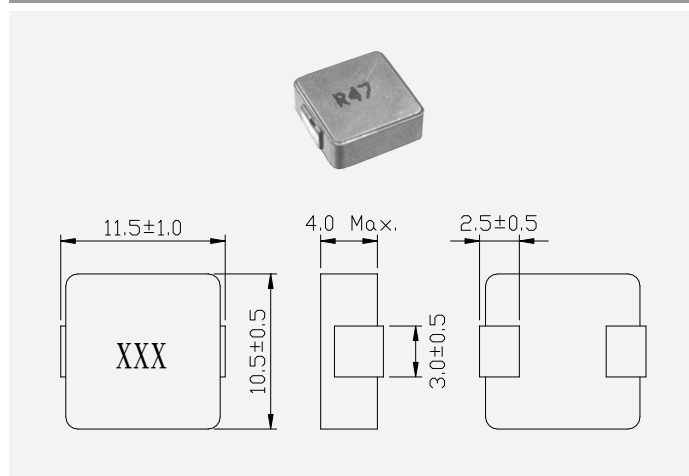
Packing unit : 800 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.19	±20%=M	0.1	60	38	0.70	0.80	SEP1004EA-R19M-LF
0.22		0.1	50	38	0.60	0.80	SEP1004EA-R22M-LF
0.36		0.1	50	30	1.10	1.20	SEP1004EA-R36M-LF
0.47		0.1	45	28	1.50	1.70	SEP1004EA-R47M-LF
0.56		0.1	40	25	1.60	1.80	SEP1004EA-R56M-LF
0.68		0.1	30	25	1.60	1.80	SEP1004EA-R68M-LF
1.00		0.1	30	21	2.80	3.20	SEP1004EA-1R0M-LF
1.20		0.1	25	17	3.20	3.70	SEP1004EA-1R2M-LF
1.50		0.1	20	15	4.50	5.00	SEP1004EA-1R5M-LF
2.50		0.1	18	13	8.50	9.50	SEP1004EA-2R5M-LF

- I_{sat} : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP1004EB



■ Size : 11.5x10.5x4.0 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

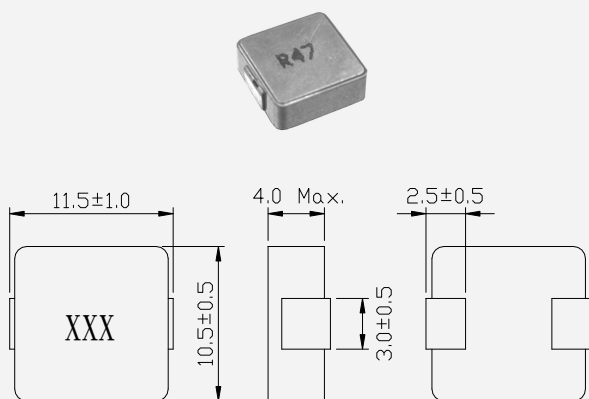
Packing unit : 800 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.19	±20%=M	0.1	90.0	40.0	0.875	0.95	SEP1004EB-R19M-LF
0.36		0.1	60.0	31.5	1.30	1.40	SEP1004EB-R36M-LF
0.56		0.1	49.0	27.5	1.70	1.80	SEP1004EB-R56M-LF
1.0		0.1	36.0	17.5	3.70	4.10	SEP1004EB-1R0M-LF
1.5		0.1	27.5	15.0	5.30	5.80	SEP1004EB-1R5M-LF
2.2		0.1	25.5	12.0	8.20	9.00	SEP1004EB-2R2M-LF
3.3		0.1	18.6	10.0	10.80	11.80	SEP1004EB-3R3M-LF
4.7		0.1	17.0	9.5	15.00	16.50	SEP1004EB-4R7M-LF
5.6		0.1	16.0	8.5	17.60	19.30	SEP1004EB-5R6M-LF
6.8		0.1	13.5	8.0	21.20	23.30	SEP1004EB-6R8M-LF
8.2		0.1	12.5	7.0	31.00	34.00	SEP1004EB-8R2M-LF
10		0.1	12.0	6.8	33.20	36.50	SEP1004EB-100M-LF

- I_{sat} : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP1004EC



■ Size : 11.5x10.5x4.0 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

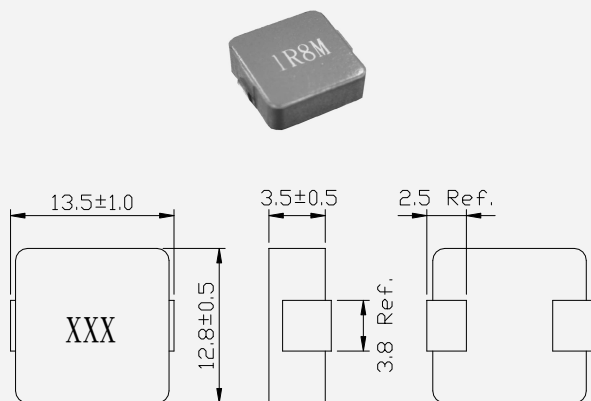
Packing unit : 800 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.19	±20%=M	0.1	46.0	40.0	0.70	0.80	SEP1004EC-R19M-LF
0.24		0.1	44.0	33.0	0.85	0.95	SEP1004EC-R24M-LF
0.36		0.1	30.0	32.0	1.05	1.15	SEP1004EC-R36M-LF
0.47		0.1	30.0	30.0	1.53	1.68	SEP1004EC-R47M-LF
0.56		0.1	22.0	32.0	1.60	1.80	SEP1004EC-R56M-LF
0.78		0.1	22.0	27.0	1.80	1.90	SEP1004EC-R78M-LF
1.0		0.1	20.0	25.0	2.30	2.50	SEP1004EC-1R0M-LF
1.8		0.1	16.0	17.0	4.50	5.00	SEP1004EC-1R8M-LF
2.0		0.1	14.0	16.0	5.20	5.80	SEP1004EC-2R0M-LF
4.7		0.1	7.60	9.50	12.9	14.2	SEP1004EC-4R7M-LF
6.8		0.1	7.50	9.00	17.5	19.3	SEP1004EC-6R8M-LF
10		0.1	7.10	7.50	27.8	30.5	SEP1004EC-100M-LF
15		0.1	6.00	6.25	40.9	45.0	SEP1004EC-150M-LF
22		0.1	4.50	5.00	60.4	66.0	SEP1004EC-220M-LF
33		0.1	4.00	4.40	87.5	94.5	SEP1004EC-330M-LF
47		0.1	3.00	4.00	132	145	SEP1004EC-470M-LF
100		0.1	2.25	3.00	249	270	SEP1004EC-101M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP1204EB



■ Size : 13.5x12.8x3.5 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

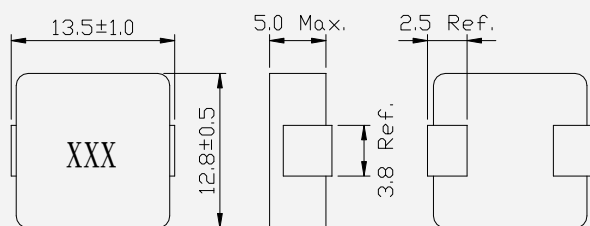
Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.10	±20%=M	0.1	84	43.0	0.80	0.96	SEP1204EB-R10M-LF
0.22		0.1	75	41.0	1.00	1.2	SEP1204EB-R15M-LF
0.33		0.1	65	38.5	1.10	1.3	SEP1204EB-R22M-LF
0.47		0.1	62	36.5	1.30	1.5	SEP1204EB-R33M-LF
0.60		0.1	55	32.0	1.60	2.0	SEP1204EB-R47M-LF
0.68		0.1	51	29.0	1.80	2.2	SEP1204EB-R60M-LF
0.82		0.1	49	28.0	2.30	2.5	SEP1204EB-R68M-LF
0.90		0.1	44	25.0	2.60	3.0	SEP1204EB-R82M-LF
1.0		0.1	40	24.0	3.30	3.5	SEP1204EB-1R0M-LF
1.2		0.1	35	19.0	5.10	5.5	SEP1204EB-1R5M-LF
1.5		0.1	30	16.5	6.50	7.0	SEP1204EB-1R8M-LF
1.8		0.1	29	16.0	7.20	8.0	SEP1204EB-2R2M-LF
2.2		0.1	27	12.0	11.0	12.0	SEP1204EB-3R3M-LF
3.3		0.1	24	10.0	14.3	15.0	SEP1204EB-4R7M-LF
5.6		0.1	19	9.5	18.3	19.0	SEP1204EB-5R6M-LF
6.8		0.1	18	9.0	19.8	22.0	SEP1204EB-6R8M-LF
8.2		0.1	16	8.5	24.8	28.0	SEP1204EB-8R2M-LF
10		0.1	14	7.0	30.4	34.0	SEP1204EB-100M-LF

- DC current at which the inductance drops 30% (typ) from its value without current.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP1205E



■ Size : 13.5x12.8x5.0 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

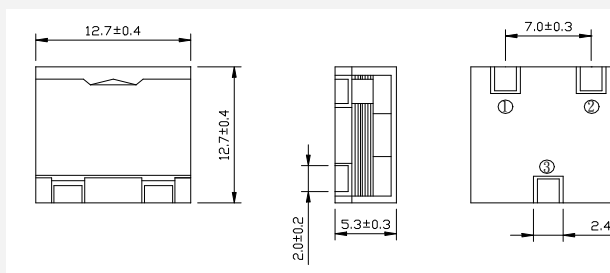
Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.10	±20%=M	0.1	118	55	0.60	SEP1205E-R10M-LF
0.22		0.1	110	51	0.80	SEP1205E-R22M-LF
0.33		0.1	80	42	1.10	SEP1205E-R33M-LF
0.47		0.1	65	38	1.30	SEP1205E-R47M-LF
0.56		0.1	55	36	1.50	SEP1205E-R56M-LF
0.68		0.1	54	34	1.70	SEP1205E-R68M-LF
0.82		0.1	53	31	2.30	SEP1205E-R82M-LF
1.0		0.1	50	29	2.50	SEP1205E-1R0M-LF
1.2		0.1	49	25	3.50	SEP1205E-1R2M-LF
1.5		0.1	48	23	4.10	SEP1205E-1R5M-LF
1.8		0.1	40	19	4.90	SEP1205E-1R8M-LF
2.2		0.1	32	20	5.50	SEP1205E-2R2M-LF
3.3		0.1	32	15	9.20	SEP1205E-3R3M-LF
4.7		0.1	27	12	15.0	SEP1205E-4R7M-LF
5.6		0.1	22	11.5	16.5	SEP1205E-5R6M-LF
6.8		0.1	21	11	18.5	SEP1205E-6R8M-LF
7.8		0.1	18	10	20.5	SEP1205E-7R8M-LF
8.2		0.1	18	9.5	22.5	SEP1205E-8R2M-LF
10		0.1	16	9.0	25.5	SEP1205E-100M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP1205M



■ Size : 12.7x12.7x5.3 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

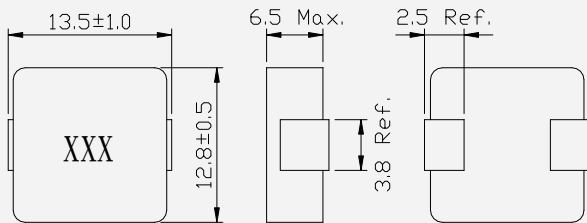
Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
0.60	±20%=M	0.1	20.4	19.5	1.50	SEP1205M-R60M-LF
1.5		0.1	14.0	18.0	2.20	SEP1205M-1R5M-LF
2.5		0.1	10.0	15.5	3.40	SEP1205M-2R5M-LF
4.0		0.1	8.30	12.5	5.40	SEP1205M-4R0M-LF
6.0		0.1	6.70	9.90	8.00	SEP1205M-6R0M-LF
8.2		0.1	5.80	8.20	11.4	SEP1205M-8R2M-LF
10		0.1	5.00	7.60	13.5	SEP1205M-100M-LF

- I_{sat} : DC current at which the inductance drops 35% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP1206E



■ Size : 13.5x12.8x6.5 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

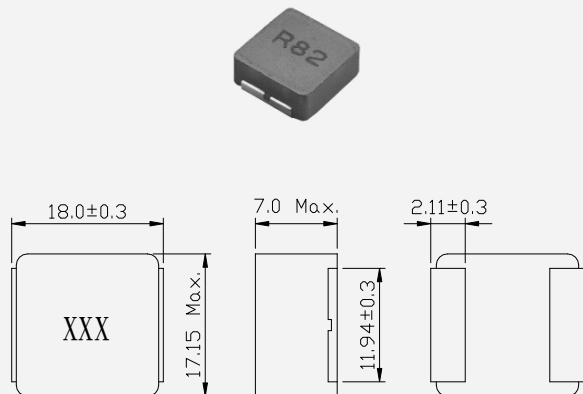
Packing unit : 400 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Isat (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.10	±20%=M	0.1	120	60	0.50	SEP1206E-R10M-LF
0.15		0.1	118	55	0.60	SEP1206E-R15M-LF
0.22		0.1	112	53	0.70	SEP1206E-R22M-LF
0.30		0.1	72	48	0.80	SEP1206E-R30M-LF
0.33		0.1	65	46	0.90	SEP1206E-R33M-LF
0.40		0.1	64	44	1.00	SEP1206E-R40M-LF
0.47		0.1	63	41	1.20	SEP1206E-R47M-LF
0.56		0.1	62	37	1.40	SEP1206E-R56M-LF
0.68		0.1	60	35	1.60	SEP1206E-R68M-LF
0.82		0.1	50	33	1.90	SEP1206E-R82M-LF
1.0		0.1	49	32	2.00	SEP1206E-1R0M-LF
1.2		0.1	48	30	2.50	SEP1206E-1R2M-LF
1.5		0.1	45	27	3.00	SEP1206E-1R5M-LF
1.8		0.1	41	24	3.20	SEP1206E-1R8M-LF
2.2		0.1	40	22	4.20	SEP1206E-2R2M-LF
3.3		0.1	35	18	6.80	SEP1206E-3R3M-LF
4.7		0.1	30	13.5	11.2	SEP1206E-4R7M-LF
5.6		0.1	26.5	13.5	10.0	SEP1206E-5R6M-LF
6.8		0.1	16.5	11.5	14.0	SEP1206E-6R8M-LF
8.2		0.1	16.0	10.5	15.5	SEP1206E-8R2M-LF
10		0.1	15.5	10.0	16.8	SEP1206E-100M-LF
22		0.1	12.0	6.0	40.0	SEP1206E-220M-LF

- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- I_{rms} : Average current for a 40°C temperature rise above 25°C ambient.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

SMT Power Inductors

SEP1707EA



■ Size : 18.3x17.15x7.0 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

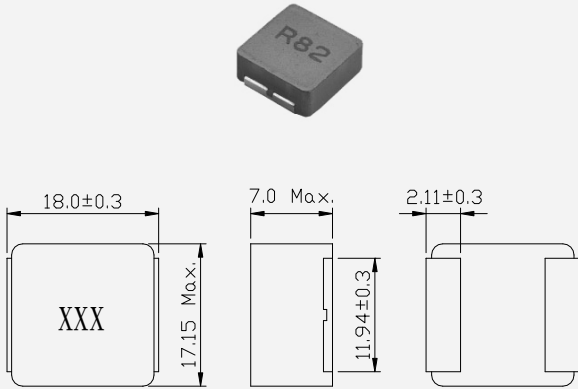
Packing unit : 300 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.22	±20%=M	0.1	129	80.0	0.63	0.70	SEP1707EA-R22M-LF
0.33		0.1	126	65.0	0.71	0.79	SEP1707EA-R33M-LF
0.47		0.1	123	62.0	0.84	0.92	SEP1707EA-R47M-LF
0.56		0.1	88	56.0	0.91	1.00	SEP1707EA-R56M-LF
0.82		0.1	73	50.0	1.17	1.29	SEP1707EA-R82M-LF
1.0		0.1	73	48.0	1.28	1.35	SEP1707EA-1R0M-LF
1.5		0.1	65	42.0	1.78	1.88	SEP1707EA-1R5M-LF
1.8		0.1	65	38.0	1.96	2.07	SEP1707EA-1R8M-LF
2.2		0.1	62	35.0	2.40	2.53	SEP1707EA-2R2M-LF
3.3		0.1	54	28.0	3.68	3.88	SEP1707EA-3R3M-LF
4.7		0.1	41	25.0	4.84	5.11	SEP1707EA-4R7M-LF
5.6		0.1	40	21.0	6.68	7.05	SEP1707EA-5R6M-LF
6.8		0.1	32	19.0	8.37	8.83	SEP1707EA-6R8M-LF
8.2		0.1	25	18.0	10.10	10.66	SEP1707EA-8R2M-LF
10		0.1	25	16.5	11.60	12.00	SEP1707EA-100M-LF
15		0.1	25	12.5	18.80	19.90	SEP1707EA-150M-LF
22		0.1	23	11.0	25.10	26.50	SEP1707EA-220M-LF

- I_{sat} : DC current (A) that will cause L₀ to drop approximately 30 %
- I_{rms} : DC current (A) that will cause an approximate ΔT of 40°C
- Operating temperature range -55°C to +125°C.
- The part temperature (ambient + temp. rise) should not exceed 125°C under worst case operating conditions.

SMT Power Inductors

SEP1707E



■ Size : 18.3x17.15x7.0 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

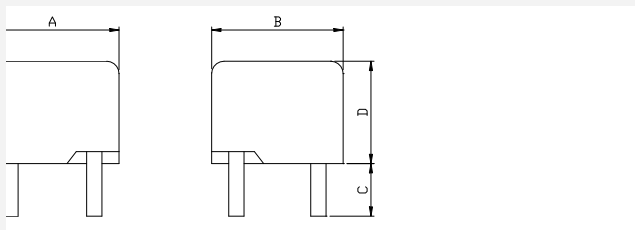
Packing unit : 300 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Typ.)	I _{rms} (A) (Typ.)	DCR (mΩ) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.33	±20%=M	0.1	55.0	75.5	0.61	0.67	SEP1707E-R33M-LF
0.47		0.1	62.0	64.5	0.78	0.87	SEP1707E-R47M-LF
0.56		0.1	66.0	61.0	0.83	0.91	SEP1707E-R56M-LF
0.82		0.1	45.0	56.5	0.98	1.08	SEP1707E-R82M-LF
1.0		0.1	32.0	55.5	1.22	1.27	SEP1707E-1R0M-LF
1.5		0.1	31.0	48.0	1.54	1.62	SEP1707E-1R5M-LF
2.2		0.1	28.0	43.5	1.85	1.98	SEP1707E-2R2M-LF
3.3		0.1	27.0	35.0	2.79	2.93	SEP1707E-3R3M-LF
4.7		0.1	21.0	30.0	3.98	4.18	SEP1707E-4R7M-LF
5.6		0.1	21.0	28.0	4.23	4.44	SEP1707E-5R6M-LF
6.8		0.1	18.5	22.5	5.86	6.15	SEP1707E-6R8M-LF
8.2		0.1	18.0	21.0	7.71	8.10	SEP1707E-8R2M-LF
10		0.1	17.0	19.0	8.89	9.33	SEP1707E-100M-LF
15		0.1	12.0	14.0	13.7	14.4	SEP1707E-150M-LF
22		0.1	9.5	12.0	20.0	21.0	SEP1707E-220M-LF
33		0.1	9.0	10.7	35.1	37.0	SEP1707E-330M-LF
47		0.1	8.6	8.7	40.7	42.7	SEP1707E-470M-LF
56		0.1	4.2	7.2	55.0	57.8	SEP1707E-560M-LF
68		0.1	4.5	6.1	72.1	75.7	SEP1707E-680M-LF
82		0.1	4.5	5.5	87.3	91.7	SEP1707E-820M-LF
100		0.1	4.0	5.0	105.0	110.0	SEP1707E-101M-LF

- I_{sat} : DC current (A) that will cause L₀ to drop approximately 30%
- I_{rms} : DC current (A) that will cause an approximate ΔT of 40 °C
- Operating temperature range -55°C to +125°C.
- The part temperature (ambient + temp. rise) should not exceed 125 °C under worst case operating conditions.

Through Hole Power Inductors

REP1108



■ Size : 12.0x12.0x8.5 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

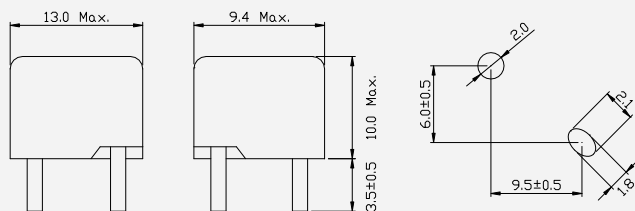
Marking : L value (μH , coded)

INDUCTANCE (μH)	Tolerance	f_L MHz	I_{sat} (A) (Max.)	$L(I_{sat})$ (μH) (Typ.)	I_{rms} (A) (Max.)	$L(I_{rms})$ (μH) 40°C (Δt) (Typ.)	DCR (m Ω) (Max.)	Ordering code
0.36	$\pm 20\% = M$	0.1	80	0.34	32	0.35	0.92	REP1108-R36M-LF
0.47		0.1	80	0.38	32	0.45	0.92	REP1108-R47M-LF
0.60		0.1	30	0.48	32	0.49	0.92	REP1108-R60M-LF
0.68		0.1	28	0.55	32	0.50	0.92	REP1108-R68M-LF
0.75		0.1	55	0.60	26	0.70	1.70	REP1108-R75M-LF
0.80		0.1	40	0.64	25	0.72	1.65	REP1108-R80M-LF

- Current to cause 20% typ. inductance drop.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Through Hole Power Inductors

REP1309



■ Size : 13.0x9.4x10.0 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

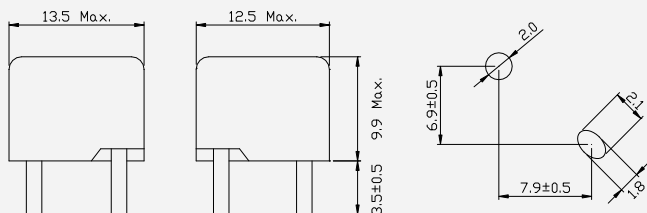
Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	L (I _{sat}) (μH) (Typ.)	I _{rms} (A) (Max.)	L (I _{rms}) (μH) 40°C (Δ t) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.36	±20%=M	0.1	80	0.33	40	0.35	0.7	REP1309-R36M-LF
0.50		0.1	60	0.40	40	0.45	0.7	REP1309-R50M-LF
0.60		0.1	80	0.52	32	0.59	1.3	REP1309-R60M-LF
0.68		0.1	70	0.55	32	0.63	1.3	REP1309-R68M-LF
0.80		0.1	40	0.64	32	0.70	1.3	REP1309-R80M-LF
1.0		0.1	55	0.8	20	0.96	2.5	REP1309-1R0M-LF
1.2		0.1	30	1.12	25	1.15	2.5	REP1309-1R2M-LF
1.4		0.1	30	1.12	25	1.24	2.4	REP1309-1R4M-LF

- Current to cause 20% typ. inductance drop.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Through Hole Power Inductors

REP1312



■ 13.5x12.5x9.9 (mm)

■ Core material : Iron

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

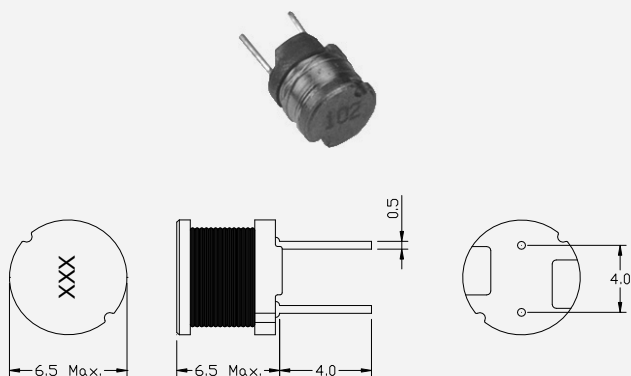
Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	L (I _{sat}) (μH) (Typ.)	I _{rms} (A) (Max.)	L(I _{rms}) (μH) 40°C(Δ t) (Typ.)	DCR (mΩ) (Max.)	Ordering code
0.36	±20%=M	0.1	80	0.32	43	0.34	0.7	REP1312-R36M-LF
0.50		0.1	50	0.40	43	0.43	0.7	REP1312-R50M-LF
0.60		0.1	70	0.48	38	0.54	0.93	REP1312-R60M-LF
0.68		0.1	60	0.55	38	0.60	0.93	REP1312-R68M-LF
0.80		0.1	40	0.64	33	0.68	0.93	REP1312-R80M-LF
1.0		0.1	50	0.8	31	0.88	1.45	REP1312-1R0M-LF
1.2		0.1	30	0.96	31	0.96	1.45	REP1312-1R2M-LF

- Current to cause 20% typ. inductance drop.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Through Hole Power Inductors

RDR664



■ Size : 6.5x6.5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.0	±20%=M	7.96	4.00	0.0183	RDR664-1R0M-LF
1.3		7.96	3.70	0.0206	RDR664-1R3M-LF
1.7		7.96	3.52	0.0228	RDR664-1R7M-LF
2.2		7.96	3.20	0.0255	RDR664-2R2M-LF
2.7		7.96	3.00	0.0282	RDR664-2R7M-LF
3.3		7.96	2.83	0.0308	RDR664-3R3M-LF
3.9		7.96	2.63	0.0334	RDR664-3R9M-LF
4.7		7.96	2.43	0.0364	RDR664-4R7M-LF
5.5		7.96	2.30	0.0395	RDR664-5R5M-LF
6.3		7.96	2.14	0.0430	RDR664-6R3M-LF
7.2		7.96	2.09	0.0462	RDR664-7R2M-LF
8.1		7.96	1.99	0.0498	RDR664-8R1M-LF
9.1		7.96	1.86	0.0532	RDR664-9R1M-LF
10		7.96	1.75	0.0566	RDR664-100M-LF
11	±15%=L	2.52	1.64	0.0596	RDR664-110L-LF
12		2.52	1.52	0.0630	RDR664-120L-LF
13		2.52	1.48	0.0667	RDR664-130L-LF
14		2.52	1.44	0.0701	RDR664-140L-LF
15		2.52	1.40	0.0744	RDR664-150L-LF
16		2.52	1.33	0.0788	RDR664-160L-LF
18		2.52	1.30	0.0839	RDR664-180L-LF
22	±10%=K	2.52	1.27	0.11	RDR664-220K-LF
27		2.52	1.14	0.14	RDR664-270K-LF
33		2.52	1.03	0.17	RDR664-330K-LF
39		2.52	0.95	0.19	RDR664-390K-LF
47		2.52	0.87	0.23	RDR664-470K-LF
56		2.52	0.80	0.26	RDR664-560K-LF
68		2.52	0.72	0.28	RDR664-680K-LF
82		2.52	0.66	0.39	RDR664-820K-LF
100		0.001	0.59	0.43	RDR664-101K-LF

Through Hole Power Inductors

RDR664



■ Size : 6.5x6.5 (mm)

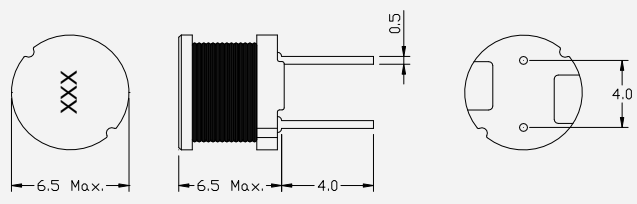
■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

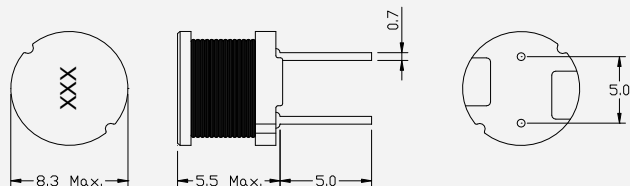


INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
120	±10%=K	0.001	0.54	0.54	RDR664-121K-LF
150		0.001	0.48	0.64	RDR664-151K-LF
180		0.001	0.44	0.74	RDR664-181K-LF
220		0.001	0.40	0.96	RDR664-221K-LF
270		0.001	0.36	1.12	RDR664-271K-LF
330		0.001	0.33	1.48	RDR664-331K-LF
390		0.001	0.30	1.66	RDR664-391K-LF
470		0.001	0.27	1.91	RDR664-471K-LF
560		0.001	0.25	2.31	RDR664-561K-LF
680		0.001	0.23	2.67	RDR664-681K-LF
820		0.001	0.21	3.10	RDR664-821K-LF
1000		0.001	0.19	4.45	RDR664-102K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Through Hole Power Inductors

RDR855



■ Size : 8.3x5.5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

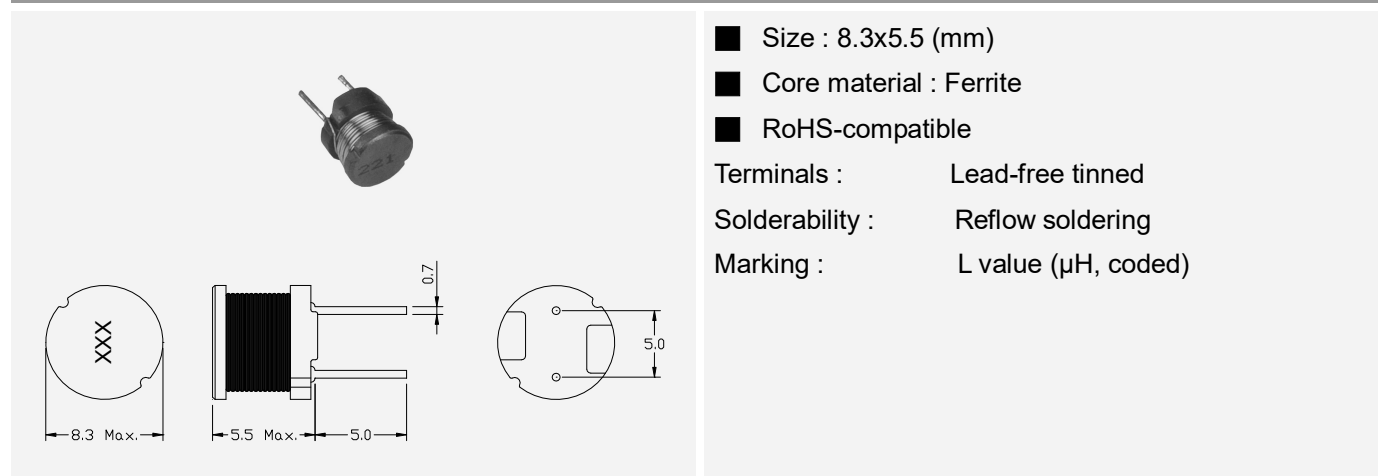
Solderability : Reflow soldering

Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
2.5	±20%=M	7.96	4.5	0.023	RDR855-2R5M-LF
3.3		7.96	4.0	0.026	RDR855-3R3M-LF
4.1		7.96	3.6	0.031	RDR855-4R1M-LF
5.0		7.96	3.4	0.034	RDR855-5R0M-LF
5.9		7.96	3.2	0.039	RDR855-5R9M-LF
6.8		7.96	2.9	0.042	RDR855-6R8M-LF
8.2		7.96	2.7	0.045	RDR855-8R2M-LF
10		2.52	2.5	0.07	RDR855-100M-LF
12		2.52	2.4	0.08	RDR855-120M-LF
15		2.52	2.1	0.09	RDR855-150M-LF
18		2.52	2.0	0.10	RDR855-180M-LF
22	±10%=K	2.52	1.7	0.12	RDR855-220K-LF
27		2.52	1.6	0.14	RDR855-270K-LF
33		2.52	1.4	0.17	RDR855-330K-LF
39		2.52	1.3	0.21	RDR855-390K-LF
47		2.52	1.2	0.24	RDR855-470K-LF
56		2.52	1.1	0.31	RDR855-560K-LF
68		2.52	1.0	0.34	RDR855-680K-LF
82		2.52	0.93	0.40	RDR855-820K-LF
100		0.001	0.81	0.52	RDR855-101K-LF
120		0.001	0.76	0.59	RDR855-121K-LF
150		0.001	0.67	0.71	RDR855-151K-LF
180		0.001	0.62	0.89	RDR855-181K-LF
220		0.001	0.54	1.04	RDR855-221K-LF
270		0.001	0.49	1.28	RDR855-271K-LF
330		0.001	0.44	1.47	RDR855-331K-LF
390		0.001	0.41	1.67	RDR855-391K-LF
470		0.001	0.38	1.95	RDR855-471K-LF
560		0.001	0.35	2.83	RDR855-561K-LF
680		0.001	0.32	3.25	RDR855-681K-LF

Through Hole Power Inductors

RDR855

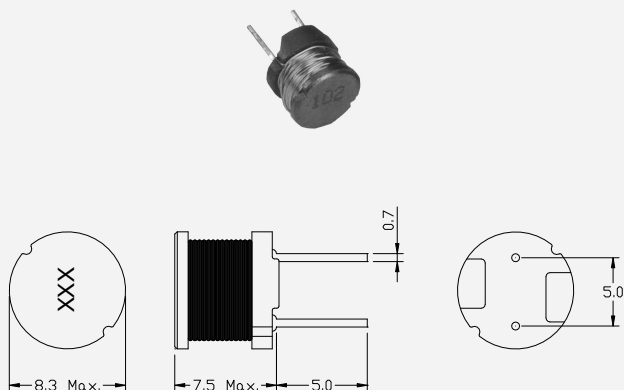


INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
820	±10%=K	0.001	0.31	3.82	RDR855-821K-LF
1000		0.001	0.25	5.28	RDR855-102K-LF
1200		0.001	0.23	6.03	RDR855-122K-LF
1500		0.001	0.21	7.15	RDR855-152K-LF
1800		0.001	0.2	8.26	RDR855-182K-LF
2200		0.001	0.18	11.1	RDR855-222K-LF
2700		0.001	0.16	13.1	RDR855-272K-LF
3300		0.001	0.14	15.9	RDR855-332K-LF
3900		0.001	0.13	18.0	RDR855-392K-LF
4700		0.001	0.12	23.9	RDR855-472K-LF
5600		0.001	0.11	26.8	RDR855-562K-LF
6800		0.001	0.098	31.7	RDR855-682K-LF
8200		0.001	0.088	46.5	RDR855-822K-LF
10000		0.001	0.081	55.7	RDR855-103K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Through Hole Power Inductors

RDR875



■ Size : 8.3x7.5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

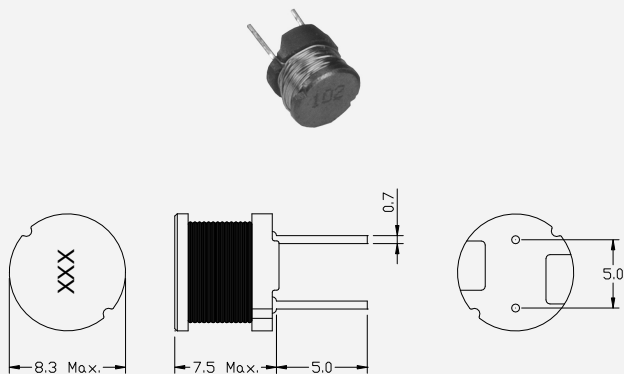
Solderability : Reflow soldering

Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
2.2	±20%=M	7.96	5.8	0.0137	RDR875-2R2M-LF
2.8		7.96	5.0	0.0153	RDR875-2R8M-LF
3.5		7.96	4.7	0.0172	RDR875-3R5M-LF
4.4		7.96	4.5	0.0191	RDR875-4R4M-LF
5.1		7.96	4.2	0.0212	RDR875-5R1M-LF
6.0		7.96	4.0	0.0222	RDR875-6R0M-LF
7.1		7.96	3.4	0.0242	RDR875-7R1M-LF
8.2		7.96	3.1	0.0265	RDR875-8R2M-LF
10		2.52	2.9	0.05	RDR875-100M-LF
12		2.52	2.5	0.06	RDR875-120M-LF
15		2.52	2.2	0.07	RDR875-150M-LF
18		2.52	1.9	0.08	RDR875-180M-LF
22	±10%=K	2.52	1.8	0.09	RDR875-220K-LF
27		2.52	1.7	0.11	RDR875-270K-LF
33		2.52	1.5	0.13	RDR875-330K-LF
39		2.52	1.3	0.14	RDR875-390K-LF
47		2.52	1.3	0.15	RDR875-470K-LF
56		2.52	1.2	0.18	RDR875-560K-LF
68		2.52	1.1	0.20	RDR875-680K-LF
82		2.52	1.0	0.24	RDR875-820K-LF
100		0.001	0.89	0.28	RDR875-101K-LF
120		0.001	0.81	0.36	RDR875-121K-LF
150		0.001	0.72	0.42	RDR875-151K-LF
180		0.001	0.66	0.57	RDR875-181K-LF
220		0.001	0.57	0.63	RDR875-221K-LF
270		0.001	0.51	0.88	RDR875-271K-LF
330		0.001	0.46	1.05	RDR875-331K-LF
390		0.001	0.44	1.17	RDR875-391K-LF
470		0.001	0.41	1.34	RDR875-471K-LF
560		0.001	0.36	1.72	RDR875-561K-LF

Through Hole Power Inductors

RDR875



■ Size : 8.3x7.5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

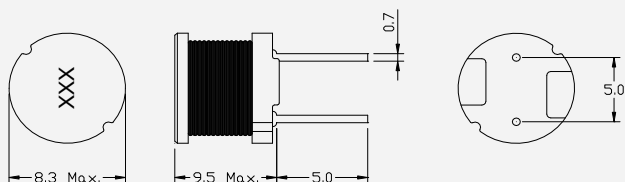
Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
680	±10%=K	0.001	0.33	1.96	RDR875-681K-LF
820		0.001	0.30	2.56	RDR875-821K-LF
1000		0.001	0.27	2.94	RDR875-102K-LF
1200		0.001	0.24	4.04	RDR875-122K-LF
1500		0.001	0.22	4.70	RDR875-152K-LF
1800		0.001	0.20	5.05	RDR875-182K-LF
2200		0.001	0.18	6.25	RDR875-222K-LF
2700		0.001	0.16	8.72	RDR875-272K-LF
3300		0.001	0.15	10.6	RDR875-332K-LF
3900		0.001	0.14	14.2	RDR875-392K-LF
4700		0.001	0.12	16.7	RDR875-472K-LF
5600		0.001	0.11	18.7	RDR875-562K-LF
6800		0.001	0.10	21.8	RDR875-682K-LF
8200		0.001	0.093	28.7	RDR875-822K-LF
10000		0.001	0.084	33.0	RDR875-103K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Through Hole Power Inductors

RDR895



■ Size : 8.3x9.5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

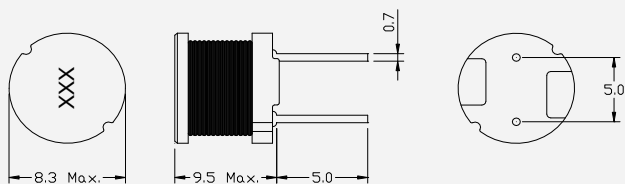
Solderability : Reflow soldering

Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
2.5	±20%=M	7.96	5.0	0.0137	RDR895-2R5M-LF
3.2		7.96	4.5	0.0153	RDR895-3R2M-LF
3.8		7.96	4.1	0.0164	RDR895-3R8M-LF
4.6		7.96	3.7	0.0185	RDR895-4R6M-LF
5.5		7.96	3.4	0.0202	RDR895-5R5M-LF
6.5		7.96	3.2	0.0208	RDR895-6R5M-LF
7.7		7.96	2.9	0.0224	RDR895-7R7M-LF
9.2		7.96	2.7	0.0241	RDR895-9R2M-LF
10		2.52	2.6	0.04	RDR895-100M-LF
12		2.52	2.6	0.04	RDR895-120M-LF
15	±10%=K	2.52	2.1	0.05	RDR895-150K-LF
18		2.52	2.0	0.05	RDR895-180K-LF
22		2.52	1.7	0.06	RDR895-220K-LF
27		2.52	1.6	0.06	RDR895-270K-LF
33		2.52	1.4	0.07	RDR895-330K-LF
39		2.52	1.4	0.08	RDR895-390K-LF
47		2.52	1.3	0.10	RDR895-470K-LF
56		2.52	1.2	0.11	RDR895-560K-LF
68		2.52	1.1	0.14	RDR895-680K-LF
82		2.52	1.0	0.16	RDR895-820K-LF
100		0.001	0.90	0.19	RDR895-101K-LF
120		0.001	0.82	0.22	RDR895-121K-LF
150		0.001	0.74	0.27	RDR895-151K-LF
180		0.001	0.71	0.31	RDR895-181K-LF
220		0.001	0.64	0.38	RDR895-221K-LF
270		0.001	0.57	0.53	RDR895-271K-LF
330		0.001	0.51	0.61	RDR895-331K-LF
390		0.001	0.48	0.69	RDR895-391K-LF
470		0.001	0.43	0.89	RDR895-471K-LF
560		0.001	0.40	1.01	RDR895-561K-LF

Through Hole Power Inductors

RDR895



■ Size : 8.3x9.5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

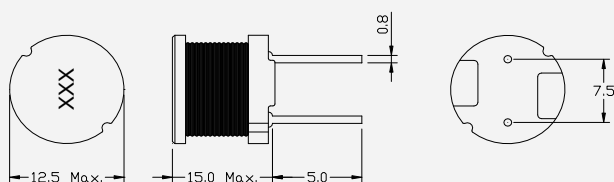
Marking : L value (μH , coded)

INDUCTANCE (μH)	Tolerance	f_L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
680	$\pm 10\% = K$	0.001	0.35	1.18	RDR895-681K-LF
820		0.001	0.32	1.57	RDR895-821K-LF
1000		0.001	0.30	1.84	RDR895-102K-LF
1200		0.001	0.27	2.10	RDR895-122K-LF
1500		0.001	0.23	2.80	RDR895-152K-LF
1800		0.001	0.21	3.21	RDR895-182K-LF
2200		0.001	0.19	4.21	RDR895-222K-LF
2700		0.001	0.17	4.94	RDR895-272K-LF
3300		0.001	0.15	6.16	RDR895-332K-LF
3900		0.001	0.14	6.84	RDR895-392K-LF
4700		0.001	0.13	7.89	RDR895-472K-LF
5600		0.001	0.12	11.5	RDR895-562K-LF
6800		0.001	0.11	13.2	RDR895-682K-LF
8200		0.001	0.10	15.3	RDR895-822K-LF
10000		0.001	0.089	22.0	RDR895-103K-LF
12000		0.001	0.073	25.0	RDR895-123K-LF
15000		0.001	0.068	29.1	RDR895-153K-LF
18000		0.001	0.066	38.9	RDR895-183K-LF
22000		0.001	0.059	44.9	RDR895-223K-LF
27000		0.001	0.052	55.7	RDR895-273K-LF
33000		0.001	0.048	64.2	RDR895-333K-LF
39000		0.001	0.042	74.2	RDR895-393K-LF
47000		0.001	0.038	96.4	RDR895-473K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to $+125^\circ\text{C}$.
- Electrical specifications at 25°C .

Through Hole Power Inductors

RDR1215



■ Size : 12.5x15.5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

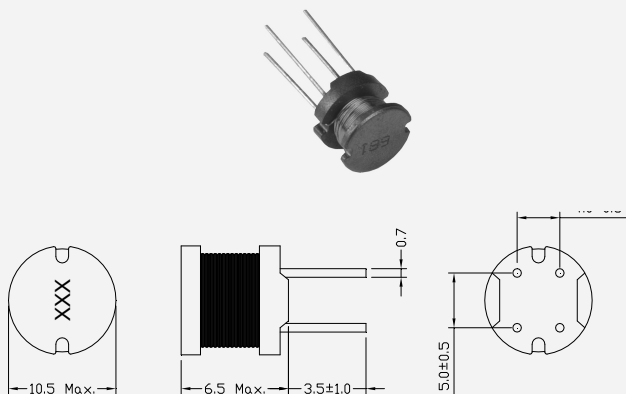
Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	I _{sat} (A) (Max.)	I _{rms} (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±10%=K	0.001	9.80	3.60	0.019	RDR1215-100K-LF
15		0.001	8.90	3.30	0.022	RDR1215-150K-LF
22		0.001	7.20	2.80	0.310	RDR1215-220K-LF
33		0.001	6.00	2.30	0.044	RDR1215-330K-LF
47		0.001	4.90	2.00	0.059	RDR1215-470K-LF
68		0.001	4.20	1.80	0.073	RDR1215-680K-LF
100		0.001	3.40	1.50	0.100	RDR1215-101K-LF
150		0.001	2.80	1.30	0.150	RDR1215-151K-LF
220		0.001	1.90	1.00	0.260	RDR1215-221K-LF
330		0.001	1.80	0.91	0.320	RDR1215-331K-LF
470		0.001	1.60	0.72	0.480	RDR1215-471K-LF
680		0.001	1.30	0.58	0.730	RDR1215-681K-LF
1000		0.001	1.10	0.51	0.960	RDR1215-102K-LF
1500		0.001	0.90	0.42	1.400	RDR1215-152K-LF
2200		0.001	0.70	0.31	2.500	RDR1215-222K-LF
3300		0.001	0.60	0.27	3.300	RDR1215-332K-LF
5600		0.001	0.47	0.20	6.400	RDR1215-562K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Through Hole Power Inductors

RDR10064P



■ Size : 10.5x6.5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

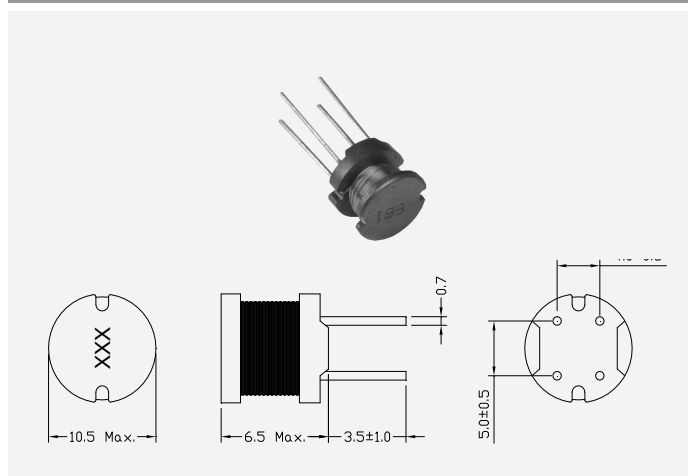
Solderability : Reflow soldering

Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.0	±30%=N	7.96	9.3	0.0050	RDR10064P-1R0N-LF
1.2		7.96	8.0	0.0069	RDR10064P-1R2N-LF
1.8	±20%=M	7.96	7.4	0.0080	RDR10064P-1R8M-LF
2.8		7.96	6.0	0.0118	RDR10064P-2R8M-LF
3.6		7.96	5.7	0.0138	RDR10064P-3R6M-LF
5.1		7.96	4.6	0.0196	RDR10064P-5R1M-LF
6.3		7.96	4.2	0.0231	RDR10064P-6R3M-LF
7.8		7.96	3.9	0.0248	RDR10064P-7R8M-LF
10		2.52	3.6	0.040	RDR10064P-100M-LF
12		2.52	3.3	0.044	RDR10064P-120M-LF
15		2.52	2.9	0.058	RDR10064P-150M-LF
18		2.52	2.7	0.064	RDR10064P-180M-LF
22	±10%=K	2.52	2.4	0.088	RDR10064P-220M-LF
27		2.52	2.2	0.100	RDR10064P-270M-LF
33		2.52	2.0	0.110	RDR10064P-330K-LF
39		2.52	1.8	0.140	RDR10064P-390K-LF
47		2.52	1.7	0.160	RDR10064P-470K-LF
56		2.52	1.5	0.190	RDR10064P-560K-LF
68		2.52	1.4	0.220	RDR10064P-680K-LF
82		2.52	1.3	0.290	RDR10064P-820K-LF
100		0.001	1.3	0.320	RDR10064P-101K-LF
120		0.001	1.2	0.380	RDR10064P-121K-LF
150		0.001	1.0	0.500	RDR10064P-151K-LF
180		0.001	0.84	0.560	RDR10064P-181K-LF
220		0.001	0.76	0.780	RDR10064P-221K-LF
270		0.001	0.69	0.920	RDR10064P-271K-LF
330		0.001	0.62	1.1	RDR10064P-331K-LF
390		0.001	0.57	1.3	RDR10064P-391K-LF
470		0.001	0.52	1.5	RDR10064P-471K-LF
560		0.001	0.48	1.9	RDR10064P-561K-LF

Through Hole Power Inductors

RDR10064P



■ Size : 10.5x6.5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

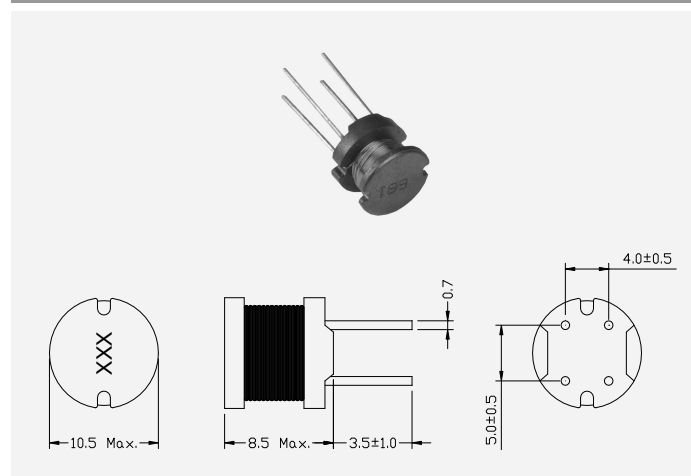
Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
680	±10%=K	0.001	0.43	2.2	RDR10064P-681K-LF
820		0.001	0.40	2.6	RDR10064P-821K-LF
1000		0.001	0.36	3.2	RDR10064P-102K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Through Hole Power Inductors

RDR10084P



■ Size : 10.5x8.5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

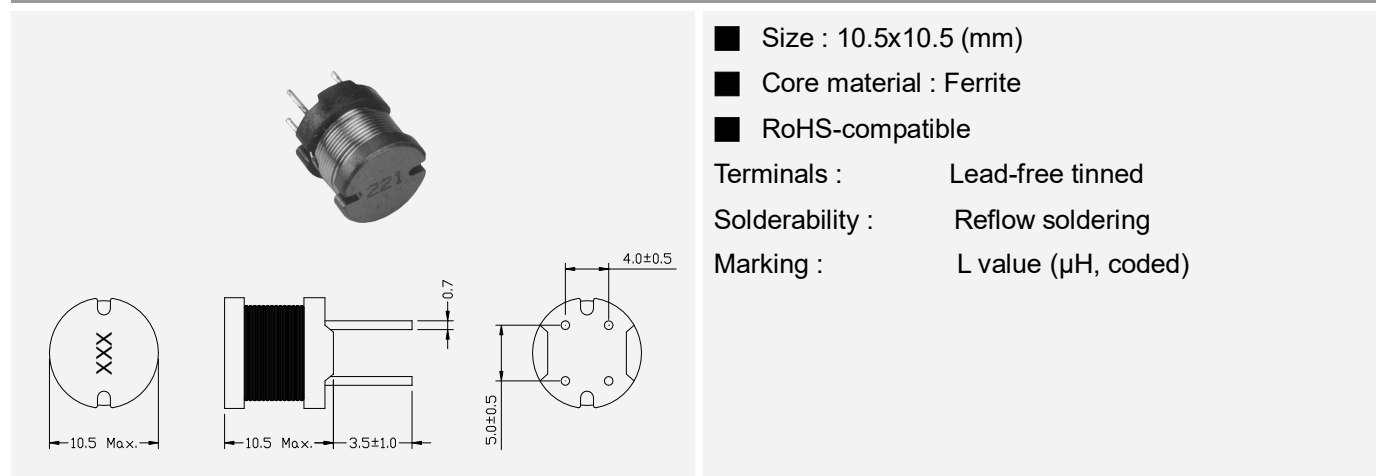
Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
2.2	±20%=M	7.96	7.9	0.0085	RDR10084P-2R2M-LF
2.7		7.96	7.2	0.0096	RDR10084P-2R7M-LF
3.7		7.96	6.3	0.0109	RDR10084P-3R7M-LF
4.7		7.96	5.7	0.0117	RDR10084P-4R7M-LF
6.2		7.96	5.3	0.0153	RDR10084P-6R2M-LF
8.2		7.96	5.0	0.0170	RDR10084P-8R2M-LF
10		0.001	4.5	0.027	RDR10084P-100M-LF
12		0.001	4.1	0.031	RDR10084P-120M-LF
15		0.001	3.7	0.036	RDR10084P-150M-LF
18		0.001	3.4	0.049	RDR10084P-180M-LF
22		0.001	3.1	0.055	RDR10084P-220M-LF
27		0.001	2.8	0.062	RDR10084P-270M-LF
33	±10%=K	0.001	2.5	0.079	RDR10084P-330K-LF
39		0.001	2.3	0.087	RDR10084P-390K-LF
47		0.001	2.1	0.099	RDR10084P-470K-LF
56		0.001	1.9	0.13	RDR10084P-560K-LF
68		0.001	1.7	0.14	RDR10084P-680K-LF
82		0.001	1.6	0.16	RDR10084P-820K-LF
100		0.001	1.4	0.21	RDR10084P-101K-LF
120		0.001	1.3	0.24	RDR10084P-121K-LF
150		0.001	1.2	0.32	RDR10084P-151K-LF
180		0.001	1.1	0.35	RDR10084P-181K-LF
220		0.001	0.96	0.45	RDR10084P-221K-LF
270		0.001	0.87	0.61	RDR10084P-271K-LF
330		0.001	0.79	0.69	RDR10084P-331K-LF
390		0.001	0.72	0.78	RDR10084P-391K-LF
470		0.001	0.66	1.0	RDR10084P-471K-LF
560		0.001	0.60	1.2	RDR10084P-561K-LF
680		0.001	0.55	1.4	RDR10084P-681K-LF
820		0.001	0.50	1.8	RDR10084P-821K-LF
1000		0.001	0.45	2.1	RDR10084P-102K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Through Hole Power Inductors

RDR10104P

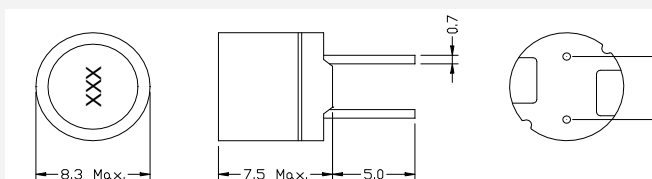


INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±20%=M	0.001	5.30	0.022	RDR10104P-100M-LF
12		0.001	4.90	0.023	RDR10104P-120M-LF
15		0.001	4.40	0.026	RDR10104P-150M-LF
18		0.001	4.00	0.033	RDR10104P-180M-LF
22		0.001	3.60	0.037	RDR10104P-220M-LF
27		0.001	3.30	0.048	RDR10104P-270M-LF
33	±10%=K	0.001	2.90	0.055	RDR10104P-330K-LF
39		0.001	2.70	0.073	RDR10104P-390K-LF
47		0.001	2.50	0.083	RDR10104P-470K-LF
56		0.001	2.30	0.092	RDR10104P-560K-LF
68		0.001	2.10	0.120	RDR10104P-680K-LF
82		0.001	1.90	0.140	RDR10104P-820K-LF
100		0.001	1.70	0.160	RDR10104P-101K-LF
120		0.001	1.50	0.200	RDR10104P-121K-LF
150		0.001	1.40	0.230	RDR10104P-151K-LF
180		0.001	1.30	0.310	RDR10104P-181K-LF
220		0.001	1.10	0.340	RDR10104P-221K-LF
270		0.001	1.00	0.400	RDR10104P-271K-LF
330		0.001	0.93	0.520	RDR10104P-331K-LF
390		0.001	0.86	0.650	RDR10104P-391K-LF
470		0.001	0.78	0.710	RDR10104P-471K-LF
560		0.001	0.71	1.000	RDR10104P-561K-LF
680		0.001	0.65	1.100	RDR10104P-681K-LF
820		0.001	0.59	1.300	RDR10104P-821K-LF
1000		0.001	0.53	1.700	RDR10104P-102K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Through Hole Inductors

RDS875D



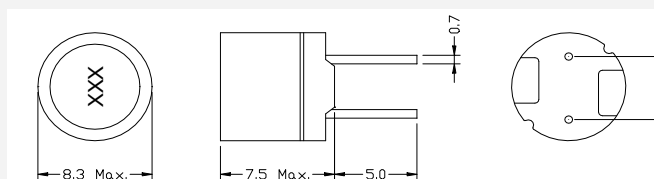
- Size : 8.3x7.5 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.2	±20%=M	2.52	4.14	0.018	RDS875D-1R2M-LF
1.7		2.52	3.75	0.022	RDS875D-1R7M-LF
2.3		2.52	3.45	0.025	RDS875D-2R3M-LF
3.0		2.52	3.25	0.028	RDS875D-3R0M-LF
3.9		2.52	3.08	0.031	RDS875D-3R9M-LF
4.7		2.52	2.94	0.035	RDS875D-4R7M-LF
5.6		2.52	2.82	0.039	RDS875D-5R6M-LF
7.0		2.52	2.68	0.043	RDS875D-7R0M-LF
8.2		2.52	2.55	0.047	RDS875D-8R2M-LF
10		2.52	2.40	0.050	RDS875D-100M-LF
15		2.52	1.95	0.062	RDS875D-150M-LF
22		2.52	1.60	0.080	RDS875D-220M-LF
33		2.52	1.30	0.14	RDS875D-330M-LF
47		2.52	1.10	0.17	RDS875D-470M-LF
56		2.52	0.99	0.19	RDS875D-560M-LF
68		2.52	0.89	0.21	RDS875D-680M-LF
100		0.001	0.74	0.32	RDS875D-101M-LF
150		0.001	0.60	0.51	RDS875D-151M-LF
220		0.001	0.50	0.76	RDS875D-221M-LF
330		0.001	0.41	0.97	RDS875D-331M-LF
460		0.001	0.34	1.44	RDS875D-471M-LF
560		0.001	0.31	1.61	RDS875D-561M-LF
680		0.001	0.28	2.07	RDS875D-681M-LF
1000	±15%=L	0.001	0.23	2.72	RDS875D-102L-LF
1500		0.001	0.19	4.50	RDS875D-152L-LF
2200		0.001	0.16	7.56	RDS875D-222L-LF
3300		0.001	0.13	9.74	RDS875D-332L-LF
3900		0.001	0.12	12.9	RDS875D-392L-LF
4700		0.001	0.11	14.7	RDS875D-472L-LF
5600		0.001	0.099	20.4	RDS875D-562L-LF

Through Hole Inductors

RDS875D



- Size : 8.3x7.5 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

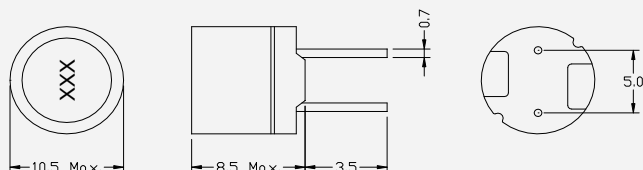
Terminals : Lead-free tinned
 Solderability : Reflow soldering
 Marking : L value (μH , coded)

INDUCTANCE (μH)	Tolerance	f_L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
6800	$\pm 15\% = L$	0.001	0.089	23.0	RDS875D-682L-LF
8200		0.001	0.081	30.6	RDS875D-822L-LF
10000		0.001	0.074	35.0	RDS875D-103L-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to $+105^\circ\text{C}$.
- Electrical specifications at 20°C .

Through Hole Inductors

RDS1008D



■ Size : 10.5x8.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

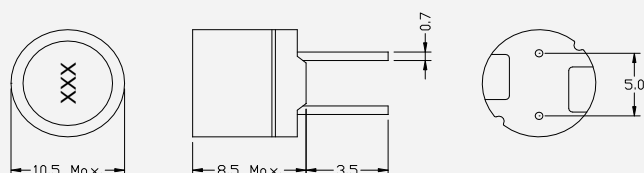
Solderability : Reflow soldering

Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.0	±30%=N	7.96	9.15	6.5m	RDS1008D-1R0N-LF
1.5		7.96	7.14	8.5m	RDS1008D-1R5N-LF
2.2		7.96	6.05	9.5m	RDS1008D-2R2N-LF
3.3		7.96	4.90	13.5m	RDS1008D-3R3N-LF
4.3		7.96	4.25	14.5m	RDS1008D-4R3N-LF
5.6		7.96	3.65	18.5m	RDS1008D-5R6N-LF
6.8		7.96	3.40	20.0m	RDS1008D-6R8N-LF
8.2		7.96	3.00	20.5m	RDS1008D-8R2N-LF
10	±20%=M	0.001	2.80	0.05	RDS1008D-100M-LF
12		0.001	2.50	0.06	RDS1008D-120M-LF
15		0.001	2.30	0.07	RDS1008D-150M-LF
18		0.001	2.10	0.08	RDS1008D-180M-LF
22		0.001	2.00	0.09	RDS1008D-220M-LF
27		0.001	1.76	0.10	RDS1008D-270M-LF
33		0.001	1.60	0.11	RDS1008D-330M-LF
39		0.001	1.38	0.12	RDS1008D-390M-LF
47	±15%=L	0.001	1.28	0.14	RDS1008D-470M-LF
56		0.001	1.20	0.15	RDS1008D-560L-LF
68		0.001	1.00	0.16	RDS1008D-680L-LF
82		0.001	0.96	0.18	RDS1008D-820L-LF
100		0.001	0.92	0.20	RDS1008D-101L-LF
120		0.001	0.80	0.24	RDS1008D-121L-LF
150		0.001	0.73	0.35	RDS1008D-151L-LF
180		0.001	0.64	0.40	RDS1008D-181L-LF
220		0.001	0.61	0.54	RDS1008D-221L-LF
270		0.001	0.56	0.76	RDS1008D-271L-LF
330		0.001	0.50	0.86	RDS1008D-331L-LF
390		0.001	0.44	0.93	RDS1008D-391L-LF
470		0.001	0.41	1.23	RDS1008D-471L-LF
560		0.001	0.38	1.34	RDS1008D-561L-LF

Through Hole Inductors

RDS1008D



■ Size : 10.5x8.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

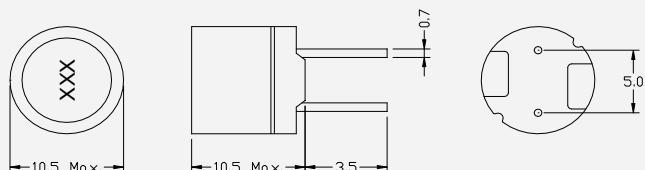
Marking : L value (μH , coded)

INDUCTANCE (μH)	Tolerance	f_L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
680	$\pm 15\% = L$	0.001	0.34	1.53	RDS1008D-681L-LF
820		0.001	0.32	2.10	RDS1008D-821L-LF
1000		0.001	0.28	2.30	RDS1008D-102L-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to $+105^\circ\text{C}$.
- Electrical specifications at 20°C .

Through Hole Inductors

RDS1010D



■ Size : 10.5x10.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

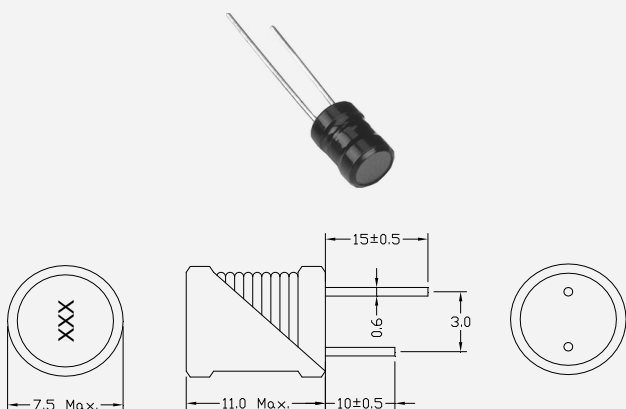
Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±20%=M	0.001	3.51	0.023	RDS1010D-100M-LF
12		0.001	3.24	0.024	RDS1010D-120M-LF
15		0.001	2.88	0.036	RDS1010D-150M-LF
18		0.001	2.61	0.039	RDS1010D-180M-LF
22		0.001	2.34	0.042	RDS1010D-220M-LF
27		0.001	2.16	0.045	RDS1010D-270M-LF
33	±15%=L	0.001	1.89	0.057	RDS1010D-330L-LF
39		0.001	1.80	0.076	RDS1010D-390L-LF
47		0.001	1.62	0.10	RDS1010D-470L-LF
56		0.001	1.44	0.11	RDS1010D-560L-LF
68		0.001	1.35	0.15	RDS1010D-680L-LF
82		0.001	1.26	0.16	RDS1010D-820L-LF
100		0.001	1.08	0.19	RDS1010D-101L-LF
120		0.001	0.99	0.21	RDS1010D-121L-LF
150		0.001	0.90	0.23	RDS1010D-151L-LF
180		0.001	0.82	0.26	RDS1010D-181L-LF
220		0.001	0.74	0.29	RDS1010D-221L-LF
270		0.001	0.67	0.36	RDS1010D-271L-LF
330		0.001	0.61	0.51	RDS1010D-331L-LF
390		0.001	0.55	0.69	RDS1010D-391L-LF
470		0.001	0.51	0.98	RDS1010D-471L-LF
560		0.001	0.46	1.10	RDS1010D-561L-LF
680		0.001	0.42	1.20	RDS1010D-681L-LF
820		0.001	0.38	1.30	RDS1010D-821L-LF
1000		0.001	0.35	1.50	RDS1010D-102L-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +105°C.
- Electrical specifications at 20°C.

Through Hole Power Inductors

RCB0608P



■ Size : 7.5x11.0 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

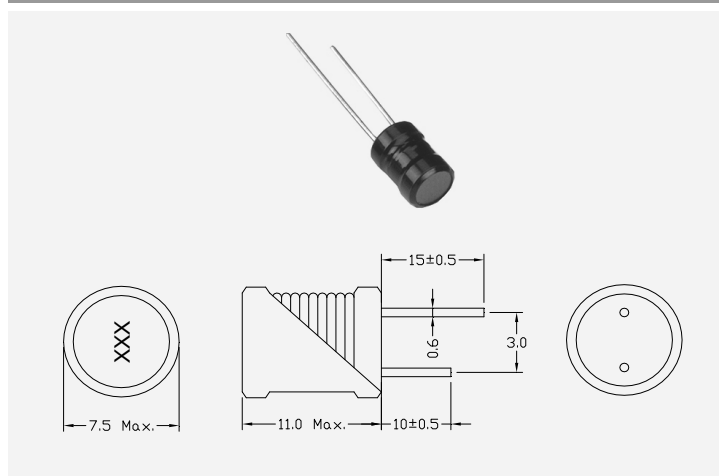
Solderability : Reflow soldering

Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	Q (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	SRF (MHz) (Min.)	Ordering code
68	±10%=K	2.52	20	0.37	750	7.0	RCB0608P-680K-LF
82		2.52	20	0.39	740	6.5	RCB0608P-820K-LF
100		0.796	30	0.44	710	5.7	RCB0608P-101K-LF
120		0.796	30	0.64	680	5.2	RCB0608P-121K-LF
150		0.796	35	0.73	600	4.7	RCB0608P-151K-LF
180		0.796	35	0.82	540	4.2	RCB0608P-181K-LF
220		0.796	35	0.92	450	3.7	RCB0608P-221K-LF
270		0.796	30	1.3	420	3.5	RCB0608P-271K-LF
330		0.796	40	1.5	400	3.2	RCB0608P-331K-LF
390		0.796	25	1.8	370	2.9	RCB0608P-391K-LF
470		0.796	35	2.3	340	2.4	RCB0608P-471K-LF
560		0.796	35	3.0	280	2.2	RCB0608P-561K-LF
680		0.796	45	3.25	250	2.0	RCB0608P-681K-LF
820		0.796	40	4.16	230	1.6	RCB0608P-821K-LF
1000		0.252	80	4.55	210	1.5	RCB0608P-102K-LF
1200		0.252	80	5.20	200	1.4	RCB0608P-122K-LF
1500		0.252	75	7.54	180	1.3	RCB0608P-152K-LF
1800		0.252	80	7.54	160	1.2	RCB0608P-182K-LF
2200		0.252	80	8.32	150	1.1	RCB0608P-222K-LF
2700		0.252	80	9.62	130	1.0	RCB0608P-272K-LF
3300		0.252	80	10.92	130	0.85	RCB0608P-332K-LF
3900		0.252	80	16.12	100	0.78	RCB0608P-392K-LF
4700		0.252	80	17.81	85	0.68	RCB0608P-472K-LF
5600		0.252	80	20.0	70	0.62	RCB0608P-562K-LF
6800		0.252	80	27.3	65	0.61	RCB0608P-682K-LF
8200		0.252	80	31.2	60	0.60	RCB0608P-822K-LF
10000		0.0796	80	39.0	58	0.48	RCB0608P-103K-LF
12000		0.0796	80	42.9	56	0.44	RCB0608P-123K-LF
15000		0.0796	70	65.0	53	0.35	RCB0608P-153K-LF
18000		0.0796	75	72.8	50	0.30	RCB0608P-183K-LF

Through Hole Power Inductors

RCB0608P



■ Size : 7.5x11.0 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

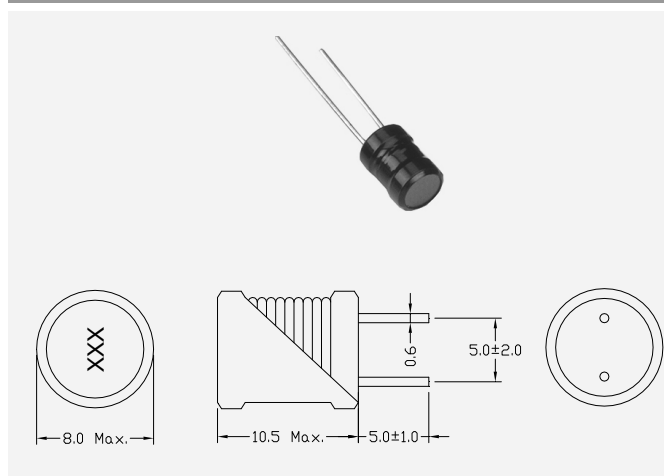
Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	Q (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	SRF (MHz) (Min.)	Ordering code
22000	±10%=K	0.0796	80	82.55	46	0.28	RCB0608P-223K-LF
27000		0.0796	80	95.42	42	0.25	RCB0608P-273K-LF
33000		0.0796	70	135.2	38	0.23	RCB0608P-333K-LF
39000		0.0796	70	154.7	37	0.20	RCB0608P-393K-LF
47000		0.0796	70	172.9	35	0.16	RCB0608P-473K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Through Hole Power Inductors

RCB0709P



■ Size : 8.0x10.5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

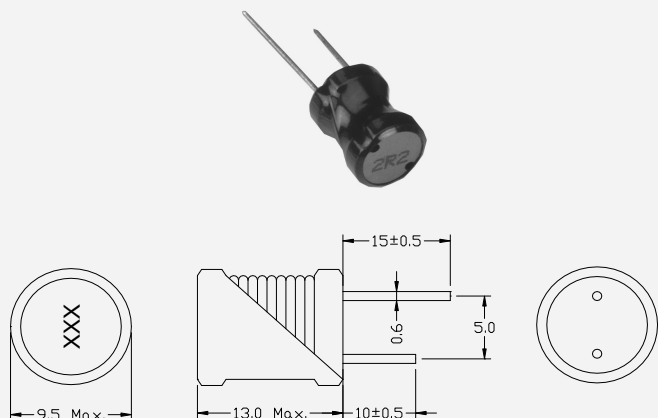
Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	Q (Min.)	DCR (Ω) (Max.)	IDC (A) (Max.)	SRF (MHz) (Min.)	Ordering code
1.0	±20%=M	0.001	10	0.006	6.6	70	RCB0709P-1R0M-LF
1.5		0.001	10	0.008	5.4	56	RCB0709P-1R5M-LF
2.2		0.001	10	0.011	4.0	45	RCB0709P-2R2M-LF
3.3		0.001	10	0.018	3.6	36	RCB0709P-3R3M-LF
4.7		0.001	10	0.022	3.1	29	RCB0709P-4R7M-LF
6.8		0.001	10	0.028	2.5	24	RCB0709P-6R8M-LF
10	±10%=K	0.001	20	0.043	2.1	19	RCB0709P-100K-LF
15		0.001	20	0.056	1.7	15	RCB0709P-150K-LF
22		0.001	20	0.086	1.4	12	RCB0709P-220K-LF
33		0.001	20	0.14	1.1	9.4	RCB0709P-330K-LF
47		0.001	20	0.17	0.96	7.6	RCB0709P-470K-LF
68		0.001	20	0.28	0.79	6.2	RCB0709P-680K-LF
100		0.001	20	0.33	0.66	5.0	RCB0709P-101K-LF
150		0.001	20	0.56	0.53	4.0	RCB0709P-151K-LF
220		0.001	20	0.72	0.44	3.2	RCB0709P-221K-LF
330		0.001	20	1.1	0.36	2.5	RCB0709P-331K-LF
470		0.001	20	1.7	0.30	2.0	RCB0709P-471K-LF
680		0.001	20	2.3	0.25	1.7	RCB0709P-681K-LF
1000		0.001	70	4.3	0.20	1.3	RCB0709P-102K-LF
1500		0.001	50	5.0	0.17	1.3	RCB0709P-152K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Through Hole Power Inductors

RCB0810P



■ Size : 9.5x13.0 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

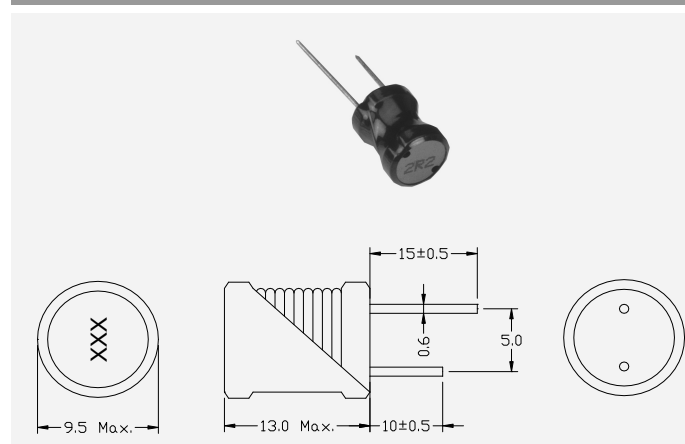
Solderability : Reflow soldering

Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	Q (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	SRF (MHz) (Min.)	Ordering code
1.0	±20%=M	7.96	90	0.02	3400	100	RCB0810P-1R0M-LF
1.2		7.96	90	0.02	3400	90	RCB0810P-1R2M-LF
1.5		7.96	95	0.02	3400	80	RCB0810P-1R5M-LF
1.8		7.96	95	0.03	3300	75	RCB0810P-1R8M-LF
2.2		7.96	100	0.03	3000	70	RCB0810P-2R2M-LF
2.7		7.96	110	0.04	3000	60	RCB0810P-2R7M-LF
3.3		7.96	110	0.04	3000	56	RCB0810P-3R3M-LF
3.9		7.96	110	0.05	2900	52	RCB0810P-3R9M-LF
4.7		7.96	110	0.05	2900	30	RCB0810P-4R7M-LF
5.6		7.96	110	0.06	2600	30	RCB0810P-5R6M-LF
6.8		7.96	90	0.06	2500	20	RCB0810P-6R8M-LF
8.2		7.96	80	0.06	2000	17	RCB0810P-8R2M-LF
10	±10%=K	2.52	90	0.10	1600	12	RCB0810P-100K-LF
12		2.52	90	0.10	1400	11	RCB0810P-120K-LF
15		2.52	90	0.10	1300	10	RCB0810P-150K-LF
18		2.52	80	0.11	1200	9.0	RCB0810P-180K-LF
22		2.52	70	0.13	1100	8.0	RCB0810P-220K-LF
27		2.52	70	0.14	1000	7.0	RCB0810P-270K-LF
33		2.52	70	0.16	900	7.0	RCB0810P-330K-LF
39		2.52	70	0.16	800	6.0	RCB0810P-390K-LF
47		2.52	70	0.16	700	5.5	RCB0810P-470K-LF
56		2.52	60	0.22	700	5.5	RCB0810P-560K-LF
68		2.52	60	0.23	600	5.0	RCB0810P-680K-LF
82		2.52	60	0.27	500	4.5	RCB0810P-820K-LF
100		0.796	40	0.29	400	4.5	RCB0810P-101K-LF
120		0.796	40	0.33	400	4.5	RCB0810P-121K-LF
150		0.796	40	0.46	350	4.5	RCB0810P-151K-LF
180		0.796	40	0.51	350	4.0	RCB0810P-181K-LF
220		0.796	40	0.62	300	3.5	RCB0810P-221K-LF
270		0.796	30	0.65	250	3.0	RCB0810P-271K-LF

Through Hole Power Inductors

RCB0810P



■ Size : 9.5x13.0 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

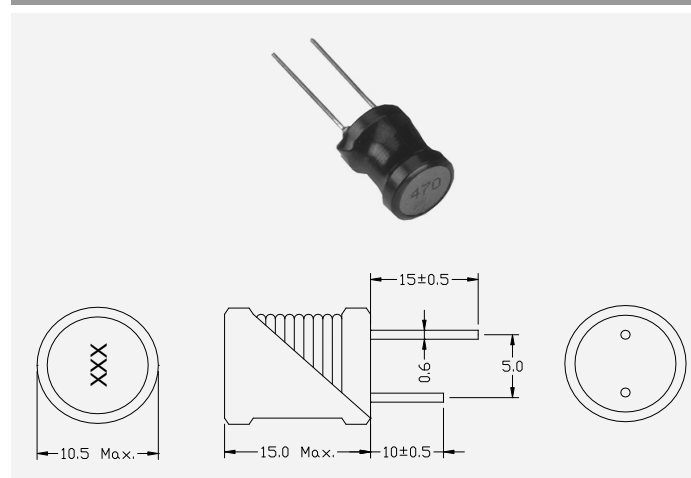
Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	Q (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	SRF (MHz) (Min.)	Ordering code
330	±10%=K	0.796	30	0.79	250	3.0	RCB0810P-331K-LF
390		0.796	30	0.91	200	2.5	RCB0810P-391K-LF
470		0.796	30	1.2	180	2.5	RCB0810P-471K-LF
560		0.796	30	1.2	160	2.0	RCB0810P-561K-LF
680		0.796	30	1.5	140	2.0	RCB0810P-681K-LF
820		0.796	25	1.7	140	2.0	RCB0810P-821K-LF
1000		0.252	50	2.0	120	2.0	RCB0810P-102K-LF
1200		0.252	45	2.3	100	1.5	RCB0810P-122K-LF
1500		0.252	45	2.9	80	1.5	RCB0810P-152K-LF
1800		0.252	45	3.5	80	1.5	RCB0810P-182K-LF
2200		0.252	50	4.2	70	1.0	RCB0810P-222K-LF
2700		0.252	50	5.1	60	1.0	RCB0810P-272K-LF
3300		0.252	50	6.1	60	0.9	RCB0810P-332K-LF
3900		0.252	50	7.8	50	0.8	RCB0810P-392K-LF
4700		0.252	55	11	50	0.7	RCB0810P-472K-LF
5600		0.252	55	11	45	0.6	RCB0810P-562K-LF
6800		0.252	55	14	45	0.6	RCB0810P-682K-LF
8200		0.252	60	15	40	0.6	RCB0810P-822K-LF
10000		0.0796	100	20	35	0.5	RCB0810P-103K-LF
12000		0.0796	100	24	35	0.4	RCB0810P-123K-LF
15000		0.0796	100	28	35	0.4	RCB0810P-153K-LF
18000		0.0796	100	42	30	0.4	RCB0810P-183K-LF
22000		0.0796	100	43	30	0.3	RCB0810P-223K-LF
27000		0.0796	100	55	25	0.3	RCB0810P-273K-LF
33000		0.0796	90	65	25	0.3	RCB0810P-333K-LF
39000		0.0796	90	87	25	0.2	RCB0810P-393K-LF
47000		0.0796	85	98	25	0.2	RCB0810P-473K-LF
56000		0.0796	80	128	20	0.2	RCB0810P-563K-LF
68000		0.0796	70	141	20	0.2	RCB0810P-683K-LF
82000		0.0796	70	161	20	0.2	RCB0810P-823K-LF
100000		0.0796	55	180	20	0.2	RCB0810P-104K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Through Hole Power Inductors

RCB0912P



■ Size : 10.5x15.0 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

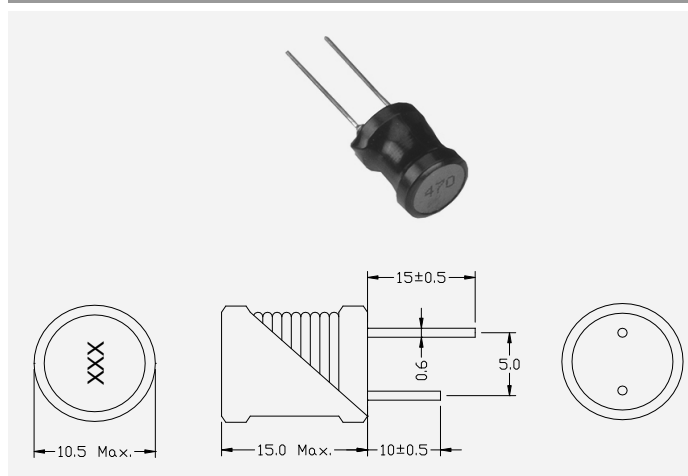
Solderability : Reflow soldering

Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	Q (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	SRF (MHz) (Min.)	Ordering code
10	±10%=K	2.52	110	0.04	2800	24	RCB0912P-100K-LF
12		2.52	110	0.04	2700	18	RCB0912P-120K-LF
15		2.52	110	0.05	2300	11	RCB0912P-150K-LF
18		2.52	90	0.06	2100	8.4	RCB0912P-180K-LF
22		2.52	90	0.07	2000	9.2	RCB0912P-220K-LF
27		2.52	90	0.10	1700	7.1	RCB0912P-270K-LF
33		2.52	90	0.12	1500	7.1	RCB0912P-330K-LF
39		2.52	80	0.12	1400	6.9	RCB0912P-390K-LF
47		2.52	70	0.13	1300	6.0	RCB0912P-470K-LF
56		2.52	70	0.14	1200	5.7	RCB0912P-560K-LF
68		2.52	60	0.15	1000	5.4	RCB0912P-680K-LF
82		2.52	50	0.16	900	4.6	RCB0912P-820K-LF
100		0.796	60	0.25	700	4.0	RCB0912P-101K-LF
120		0.796	60	0.28	700	3.6	RCB0912P-121K-LF
150		0.796	55	0.32	700	3.1	RCB0912P-151K-LF
180		0.796	55	0.47	600	2.8	RCB0912P-181K-LF
220		0.796	55	0.53	500	2.5	RCB0912P-221K-LF
270		0.796	50	0.60	450	2.4	RCB0912P-271K-LF
330		0.796	50	0.85	400	2.0	RCB0912P-331K-LF
390		0.796	50	0.95	350	2.1	RCB0912P-391K-LF
470		0.796	40	1.1	350	1.9	RCB0912P-471K-LF
560		0.796	30	1.2	300	1.8	RCB0912P-561K-LF
680		0.796	30	1.3	250	1.7	RCB0912P-681K-LF
820		0.796	30	1.4	200	1.5	RCB0912P-821K-LF
1000		0.252	70	2.0	200	1.1	RCB0912P-102K-LF
1200		0.252	70	2.3	180	1.0	RCB0912P-122K-LF
1500		0.252	70	2.9	150	1.0	RCB0912P-152K-LF
1800		0.252	70	3.3	120	0.9	RCB0912P-182K-LF
2200		0.252	70	4.5	110	0.7	RCB0912P-222K-LF
2700		0.252	70	5.5	90	0.7	RCB0912P-272K-LF

Through Hole Power Inductors

RCB0912P



■ Size : 10.5x15.0 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

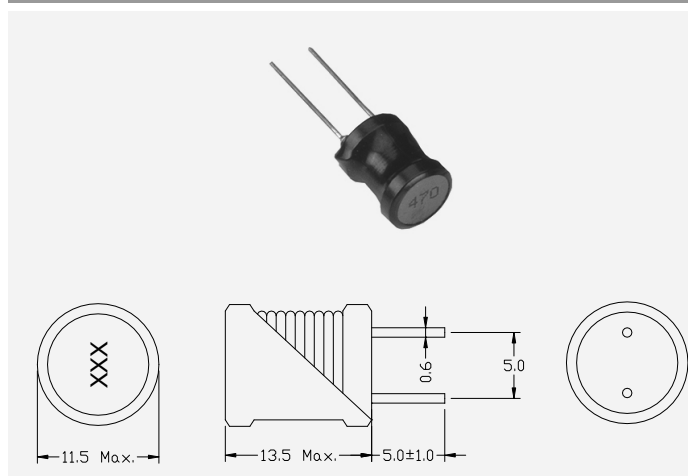
Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	Q (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	SRF (MHz) (Min.)	Ordering code
3300		0.252	60	5.7	80	0.6	RCB0912P-332K-LF
3900		0.252	60	6.5	80	0.6	RCB0912P-392K-LF
4700		0.252	60	7.2	60	0.6	RCB0912P-472K-LF
5600		0.252	60	9.5	50	0.5	RCB0912P-562K-LF
6800		0.252	60	11	50	0.5	RCB0912P-682K-LF
8200		0.252	50	13	50	0.4	RCB0912P-822K-LF
10000		0.0796	120	16	40	0.3	RCB0912P-103K-LF
12000		0.0796	120	18	40	0.3	RCB0912P-123K-LF
15000		0.0796	110	21	40	0.3	RCB0912P-153K-LF
18000		0.0796	110	23	40	0.3	RCB0912P-183K-LF
22000		0.0796	110	33	35	0.2	RCB0912P-223K-LF
27000		0.0796	100	37	35	0.2	RCB0912P-273K-LF
33000		0.0796	90	42	35	0.2	RCB0912P-333K-LF
39000		0.0796	90	45	30	0.2	RCB0912P-393K-LF
47000		0.0796	80	52	30	0.2	RCB0912P-473K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Through Hole Power Inductors

RCB1012P



■ Size : 11.5x13.5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

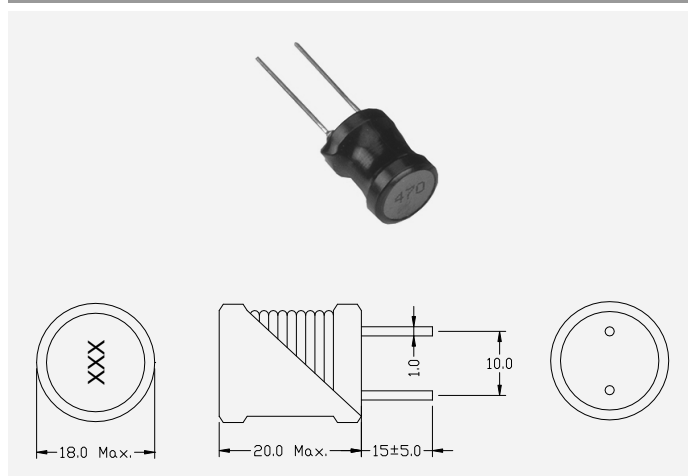
Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	Q (Min.)	DCR (Ω) (Max.)	IDC (A) (Max.)	SRF (MHz) (Min.)	Ordering code
1.0	±20%=M	0.001	15	0.058	14	144	RCB1012P-1R0M-LF
2.2		0.001	15	0.073	10	70	RCB1012P-2R2M-LF
3.3		0.001	10	0.010	8.8	36	RCB1012P-3R3M-LF
4.7		0.001	10	0.015	7.2	28	RCB1012P-4R7M-LF
6.8		0.001	10	0.016	6.1	18	RCB1012P-6R8M-LF
10	±10%=K	0.001	20	0.025	5.0	16	RCB1012P-100K-LF
15		0.001	20	0.029	4.2	12	RCB1012P-150K-LF
22		0.001	20	0.040	3.4	9.5	RCB1012P-220K-LF
33		0.001	30	0.062	2.8	7.0	RCB1012P-330K-LF
47		0.001	30	0.075	2.3	5.8	RCB1012P-470K-LF
68		0.001	20	0.13	1.9	4.7	RCB1012P-680K-LF
100		0.001	20	0.16	1.6	3.8	RCB1012P-101K-LF
150		0.001	20	0.26	1.3	3.1	RCB1012P-151K-LF
220		0.001	20	0.33	1.1	2.5	RCB1012P-221K-LF
330		0.001	20	0.52	0.88	2.0	RCB1012P-331K-LF
470		0.001	10	0.66	0.75	1.6	RCB1012P-471K-LF
680		0.001	10	1.1	0.61	1.3	RCB1012P-681K-LF
1000		0.001	20	1.4	0.51	1.1	RCB1012P-102K-LF
1500		0.001	30	2.4	0.43	0.82	RCB1012P-152K-LF
2200		0.001	20	3.2	0.35	0.76	RCB1012P-222K-LF
3300		0.001	30	4.9	0.28	0.64	RCB1012P-332K-LF
4700		0.001	30	7.6	0.24	0.54	RCB1012P-472K-LF
6800		0.001	30	9.8	0.20	0.45	RCB1012P-682K-LF
10000		0.001	30	18	0.17	0.38	RCB1012P-103K-LF
15000		0.001	50	24	0.13	0.29	RCB1012P-153K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Through Hole Power Inductors

RCB1618P



■ Size : 18.0x20.0 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

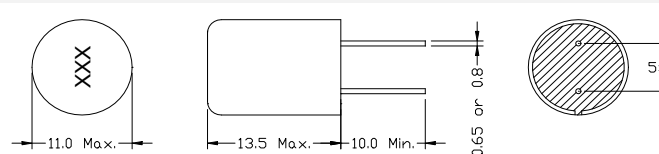
Marking : L value (μH, coded)

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
10	±20%=M	0.001	8.0	9	RCB1618P-100M-LF
22		0.001	5.7	30	RCB1618P-220M-LF
27		0.001	5.0	33	RCB1618P-270M-LF
33	±10%=K	0.001	4.8	35	RCB1618P-330K-LF
39		0.001	4.5	38	RCB1618P-390K-LF
47		0.001	4.2	44	RCB1618P-470K-LF
56		0.001	4.0	48	RCB1618P-560K-LF
68		0.001	3.8	55	RCB1618P-680K-LF
82		0.001	3.5	66	RCB1618P-820K-LF
100		0.001	3.2	82	RCB1618P-101K-LF
120		0.001	3.0	98	RCB1618P-121K-LF
150		0.001	2.7	110	RCB1618P-151K-LF
180		0.001	2.5	130	RCB1618P-181K-LF
220		0.001	2.3	160	RCB1618P-221K-LF
270		0.001	2.0	190	RCB1618P-271K-LF
330		0.001	1.8	260	RCB1618P-331K-LF
390		0.001	1.7	290	RCB1618P-391K-LF
470		0.001	1.5	330	RCB1618P-471K-LF
560		0.001	1.4	410	RCB1618P-561K-LF
680		0.001	1.3	460	RCB1618P-681K-LF
820		0.001	1.1	630	RCB1618P-821K-LF
1000		0.001	1.0	710	RCB1618P-102K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Through Hole Power Inductors

RCS1012



■ Size : 11.0x13.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

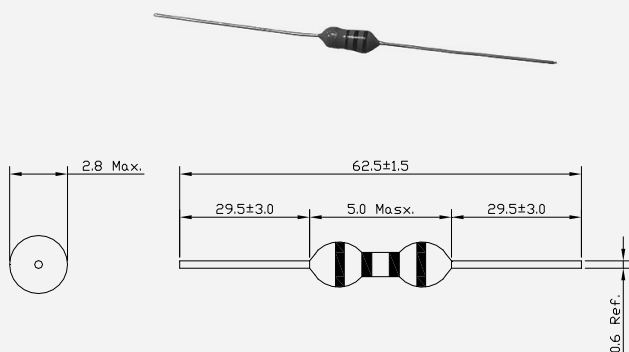
Marking : L value (μH, coded)

INDUCTANCE (mH)	Tolerance	f _L MHz	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
1.2	±10%=K	0.001	200	1.2	RCS1012-122K-LF
1.5		0.001	200	1.5	RCS1012-152K-LF
1.8		0.001	200	1.6	RCS1012-182K-LF
2.2		0.001	200	1.8	RCS1012-222K-LF
2.7		0.001	200	1.9	RCS1012-272K-LF
3.3		0.001	200	2.3	RCS1012-332K-LF
3.9		0.001	200	2.5	RCS1012-392K-LF
4.7		0.001	140	3.7	RCS1012-472K-LF
5.0		0.001	140	3.8	RCS1012-502K-LF
5.6		0.001	140	4.0	RCS1012-562K-LF
6.8		0.001	140	4.2	RCS1012-682K-LF
8.2		0.001	140	5.3	RCS1012-822K-LF
10		0.001	100	7.3	RCS1012-103K-LF
12		0.001	100	8.3	RCS1012-123K-LF
15		0.001	90	11.0	RCS1012-153K-LF
18		0.001	75	13.6	RCS1012-183K-LF
22		0.001	75	15.4	RCS1012-223K-LF
27		0.001	75	17.9	RCS1012-273K-LF
33		0.001	60	23.3	RCS1012-333K-LF
39		0.001	60	25.9	RCS1012-393K-LF
47		0.001	60	30.4	RCS1012-473K-LF
50		0.001	50	37.8	RCS1012-503K-LF
56		0.001	50	39.1	RCS1012-563K-LF
68		0.001	50	40	RCS1012-683K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Axial Leaded Inductors

AL0204



■ Size : 2.8x5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

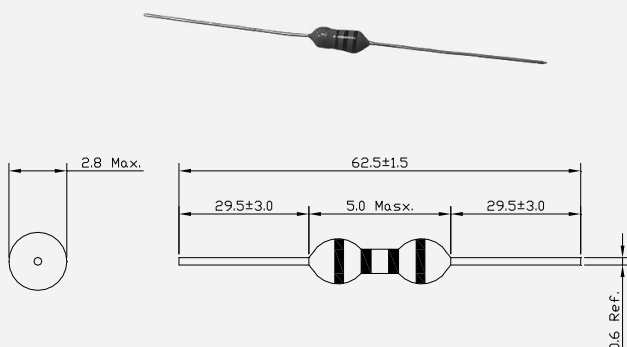
Delivery mode : Tape & reel packing

Packing unit : 5000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	Q (Min.)	SRF (MHz) (Min.)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
0.10	±20%=M	25.2	35	300	700	0.180	AL0204-R10M-LF
0.12		25.2	35	300	660	0.200	AL0204-R12M-LF
0.15		25.2	35	300	620	0.220	AL0204-R15M-LF
0.18		25.2	35	300	600	0.240	AL0204-R18M-LF
0.22		25.2	35	150	400	0.400	AL0204-R22M-LF
0.27		25.2	35	150	380	0.430	AL0204-R27M-LF
0.33		25.2	35	150	370	0.480	AL0204-R33M-LF
0.39		25.2	35	150	350	0.510	AL0204-R39M-LF
0.47		25.2	35	150	330	0.560	AL0204-R47M-LF
0.56		25.2	35	150	320	0.610	AL0204-R56M-LF
0.68		25.2	35	150	310	0.670	AL0204-R68M-LF
0.82		25.2	35	150	290	0.740	AL0204-R82M-LF
1.0	±10%=K	25.2	35	150	270	0.800	AL0204-1R0K-LF
1.2		7.96	40	110	260	0.900	AL0204-1R2K-LF
1.5		7.96	40	70	250	1.000	AL0204-1R5K-LF
1.8		7.96	40	60	240	1.100	AL0204-1R8K-LF
2.2		7.96	40	45	230	1.200	AL0204-2R2K-LF
2.7		7.96	40	40	220	1.300	AL0204-2R7K-LF
3.3		7.96	40	38	210	1.400	AL0204-3R3K-LF
3.9		7.96	40	36	200	1.500	AL0204-3R9K-LF
4.7		7.96	40	32	190	1.700	AL0204-4R7K-LF
5.6		7.96	40	30	180	1.900	AL0204-5R6K-LF
6.8		7.96	40	28	175	2.000	AL0204-6R8K-LF
8.2		7.96	40	26	165	2.200	AL0204-8R2K-LF
10		7.96	40	24	160	2.500	AL0204-100K-LF
12		2.52	40	22	150	2.500	AL0204-120K-LF
15		2.52	40	20	145	2.800	AL0204-150K-LF
18		2.52	40	18	140	3.100	AL0204-180K-LF
22		2.52	40	17	100	3.400	AL0204-220K-LF
27		2.52	40	16	80	4.300	AL0204-270K-LF

Axial Leaded Inductors

AL0204



■ Size : 2.8x5 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

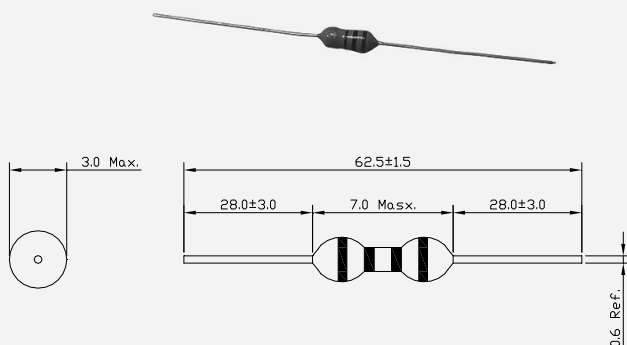
Packing unit : 5000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	Q (Min.)	SRF (MHz) (Min.)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
33	±10%=K	2.52	40	14	75	4.700	AL0204-330K-LF
39		2.52	40	13	74	5.200	AL0204-390K-LF
47		2.52	40	12	70	5.800	AL0204-470K-LF
56		2.52	40	11	68	6.400	AL0204-560K-LF
68		2.52	40	10	64	7.200	AL0204-680K-LF
82		2.52	40	9.5	46	11.000	AL0204-820K-LF
100		2.52	40	9.0	44	12.000	AL0204-101K-LF
120		0.796	40	8.0	42	13.000	AL0204-121K-LF
150		0.796	40	6.0	39	16.000	AL0204-151K-LF
180		0.796	40	5.0	37	18.000	AL0204-181K-LF
220		0.796	40	5.0	35	20.000	AL0204-221K-LF
270		0.796	40	4.6	25	25.000	AL0204-271K-LF
330		0.796	40	4.2	25	30.000	AL0204-331K-LF
390		0.796	40	3.8	25	34.000	AL0204-391K-LF
470		0.796	40	3.5	24	38.000	AL0204-471K-LF
560		0.796	40	3.2	24	42.000	AL0204-561K-LF
680		0.796	40	2.0	24	46.000	AL0204-681K-LF
820		0.796	40	2.0	22	48.000	AL0204-821K-LF
1000		0.796	40	1.5	22	50.000	AL0204-102K-LF

- Operating temperature range -40°C to +105°C, Electrical specifications at 25°C.

Axial Leaded Inductors

AL0307



■ Size : 3x7 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

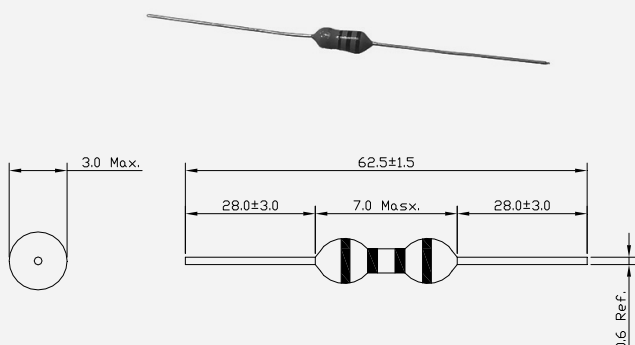
Delivery mode : Tape & reel packing

Packing unit : 5000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	Q (Min.)	SRF (MHz) (Min.)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
0.10	$\pm 20\% = M$	25.2	40	480	1400	0.060	AL0307-R10M-LF
0.12		25.2	40	450	1350	0.060	AL0307-R12M-LF
0.15		25.2	40	420	1270	0.070	AL0307-R15M-LF
0.18		25.2	40	400	1200	0.070	AL0307-R18M-LF
0.22		25.2	40	380	1150	0.080	AL0307-R22M-LF
0.27		25.2	40	360	1110	0.085	AL0307-R27M-LF
0.33		25.2	40	350	1110	0.095	AL0307-R33M-LF
0.39		25.2	40	320	1000	0.100	AL0307-R39M-LF
0.47		25.2	40	300	1000	0.110	AL0307-R47M-LF
0.56		25.2	40	280	950	0.120	AL0307-R56M-LF
0.68		25.2	40	250	900	0.130	AL0307-R68M-LF
0.82		25.2	40	200	900	0.140	AL0307-R82M-LF
1.0	$\pm 10\% = K$	25.2	40	180	815	0.150	AL0307-1R0K-LF
1.2		7.96	40	165	740	0.180	AL0307-1R2K-LF
1.5		7.96	40	150	700	0.200	AL0307-1R5K-LF
1.8		7.96	50	125	655	0.230	AL0307-1R8K-LF
2.2		7.96	50	110	630	0.250	AL0307-2R2K-LF
2.7		7.96	50	95	595	0.280	AL0307-2R7K-LF
3.3		7.96	50	70	575	0.300	AL0307-3R3K-LF
3.9		7.96	50	65	555	0.320	AL0307-3R9K-LF
4.7		7.96	50	50	530	0.350	AL0307-4R7K-LF
5.6		7.96	50	40	500	0.400	AL0307-5R6K-LF
6.8		7.96	50	30	470	0.450	AL0307-6R8K-LF
8.2		7.96	50	28	425	0.560	AL0307-8R2K-LF
10		7.96	50	22	370	0.750	AL0307-100K-LF
12		2.52	50	20	350	0.800	AL0307-120K-LF
15		2.52	50	16	335	0.930	AL0307-150K-LF
18		2.52	50	15	315	1.000	AL0307-180K-LF
22		2.52	50	13	285	1.200	AL0307-220K-LF
27		2.52	50	11	270	1.800	AL0307-270K-LF

Axial Leaded Inductors

AL0307



■ Size : 3x7 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

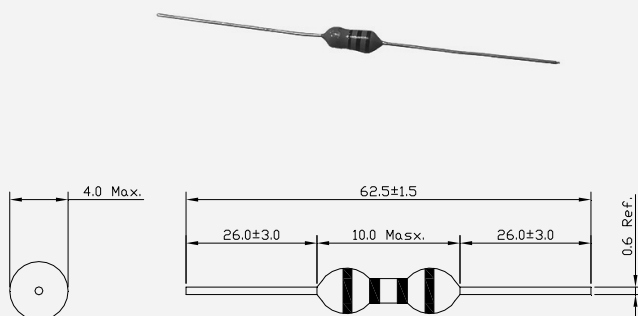
Packing unit : 5000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	Q (Min.)	SRF(MHz) (Min.)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
33	$\pm 10\% = K$	2.52	50	10	255	2.100	AL0307-330K-LF
39		2.52	50	9.5	240	2.300	AL0307-390K-LF
47		2.52	50	8.5	205	2.600	AL0307-470K-LF
56		2.52	50	7.5	195	2.900	AL0307-560K-LF
68		2.52	50	6.5	185	3.300	AL0307-680K-LF
82		2.52	50	6.0	175	3.800	AL0307-820K-LF
100		2.52	50	5.5	165	4.200	AL0307-101K-LF
120		0.796	60	5.4	160	4.700	AL0307-121K-LF
150		0.796	60	4.7	150	5.400	AL0307-151K-LF
180		0.796	60	4.3	140	6.000	AL0307-181K-LF
220		0.796	60	4.0	130	7.000	AL0307-221K-LF
270		0.796	60	3.7	120	7.700	AL0307-271K-LF
330		0.796	60	3.4	100	11.100	AL0307-331K-LF
390		0.796	60	2.8	95	12.600	AL0307-391K-LF
470		0.796	60	2.5	90	14.000	AL0307-471K-LF
560		0.796	60	2.3	85	15.500	AL0307-561K-LF
680		0.796	60	2.0	60	25.300	AL0307-681K-LF
820		0.796	60	1.5	65	27.500	AL0307-821K-LF
1000		0.796	50	1.2	60	31.400	AL0307-102K-LF

- Operating temperature range -40°C to $+105^{\circ}\text{C}$, Electrical specifications at 25°C .

Axial Leaded Inductors

AL0410



■ Size : 4x10 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

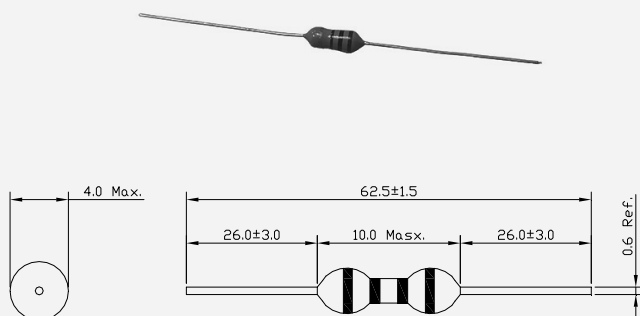
Delivery mode : Tape & reel packing

Packing unit : 5000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	Q (Min.)	SRF (MHz) (Min.)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
0.10	±20%=M	25.2	25	480	1700	0.060	AL0410-R10M-LF
0.12		25.2	25	450	1640	0.060	AL0410-R12M-LF
0.15		25.2	25	420	1560	0.070	AL0410-R15M-LF
0.18		25.2	25	400	1480	0.070	AL0410-R18M-LF
0.22		25.2	25	380	1400	0.080	AL0410-R22M-LF
0.27		25.2	25	340	1320	0.090	AL0410-R27M-LF
0.33		25.2	25	300	1280	0.100	AL0410-R33M-LF
0.39		25.2	25	280	1200	0.120	AL0410-R39M-LF
0.47		25.2	25	250	1150	0.130	AL0410-R47M-LF
0.56		25.2	25	230	1100	0.140	AL0410-R56M-LF
0.68		25.2	25	210	1030	0.150	AL0410-R68M-LF
0.82		25.2	45	172	980	0.160	AL0410-R82M-LF
1.0	±10%=K	25.2	45	157	920	0.170	AL0410-1R0K-LF
1.2		7.96	50	144	880	0.180	AL0410-1R2K-LF
1.5		7.96	50	131	830	0.200	AL0410-1R5K-LF
1.8		7.96	55	121	790	0.220	AL0410-1R8K-LF
2.2		7.96	55	110	750	0.240	AL0410-2R2K-LF
2.7		7.96	60	100	720	0.250	AL0410-2R7K-LF
3.3		7.96	65	94	670	0.300	AL0410-3R3K-LF
3.9		7.96	65	86	640	0.350	AL0410-3R9K-LF
4.7		7.96	70	80	620	0.400	AL0410-4R7K-LF
5.6		7.96	70	74	590	0.450	AL0410-5R6K-LF
6.8		7.96	75	68	550	0.500	AL0410-6R8K-LF
8.2		7.96	80	53	530	0.600	AL0410-8R2K-LF
10		7.96	80	45	500	0.650	AL0410-100K-LF
12		2.52	75	34	480	0.700	AL0410-120K-LF
15		2.52	70	20	460	0.750	AL0410-150K-LF
18		2.52	65	14	430	0.800	AL0410-180K-LF
22		2.52	50	9.9	410	0.900	AL0410-220K-LF
27		2.52	55	7.6	390	1.000	AL0410-270K-LF

Axial Leaded Inductors

AL0410



■ Size : 4x10 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

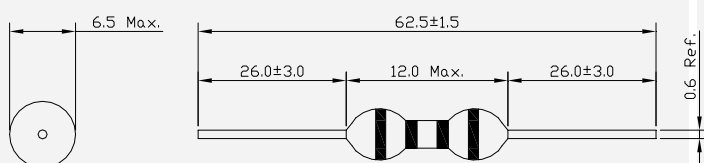
Packing unit : 5000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	Q (Min.)	SRF (MHz) (Min.)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
33	$\pm 10\% = K$	2.52	55	6.3	370	1.100	AL0410-330K-LF
39		2.52	50	6.3	350	1.200	AL0410-390K-LF
47		2.52	45	6.3	340	1.300	AL0410-470K-LF
56		2.52	40	6.2	320	1.500	AL0410-560K-LF
68		2.52	40	5.7	305	1.800	AL0410-680K-LF
82		2.52	35	5.3	290	2.000	AL0410-820K-LF
100		2.52	30	4.8	275	2.500	AL0410-101K-LF
120		0.796	70	3.8	185	3.000	AL0410-121K-LF
150		0.796	60	3.5	175	4.200	AL0410-151K-LF
180		0.796	70	3.3	165	4.600	AL0410-181K-LF
220		0.796	70	3.0	155	5.100	AL0410-221K-LF
270		0.796	65	2.8	145	6.000	AL0410-271K-LF
330		0.796	65	2.6	137	6.500	AL0410-331K-LF
390		0.796	65	2.4	133	7.500	AL0410-391K-LF
470		0.796	60	2.2	126	8.500	AL0410-471K-LF
560		0.796	60	2.1	120	9.500	AL0410-561K-LF
680		0.796	55	1.9	113	12.000	AL0410-681K-LF
820		0.796	55	1.8	105	14.000	AL0410-821K-LF
1000		0.796	50	1.4	85	20.000	AL0410-102K-LF

- Operating temperature range -40°C to +105°C, Electrical specifications at 25°C.

Axial Leaded Inductors

AL0512



■ Size : 6.5x12 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

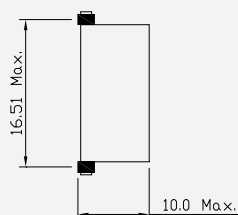
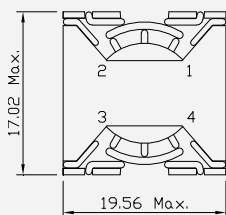
Packing unit : 5000 pcs/reel

INDUCTANCE (mH)	Tolerance	f _L MHz	f _Q MHz	Q (Min.)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
1.2	±10%=K	0.001	0.252	80	110	9	AL0512-122K-LF
1.5		0.001	0.252	80	100	10	AL0512-152K-LF
1.8		0.001	0.252	80	90	11	AL0512-182K-LF
2.2		0.001	0.252	80	80	14	AL0512-222K-LF
2.7		0.001	0.252	80	75	18	AL0512-272K-LF
3.3		0.001	0.252	80	65	22	AL0512-332K-LF
3.9		0.001	0.252	80	60	26	AL0512-392K-LF
4.7		0.001	0.252	80	55	30	AL0512-472K-LF
5.6		0.001	0.252	70	50	34	AL0512-562K-LF
6.8		0.001	0.252	70	45	45	AL0512-682K-LF
8.2		0.001	0.252	50	40	60	AL0512-822K-LF
10		0.001	0.0796	50	38	70	AL0512-103K-LF
12		0.001	0.0796	50	35	82	AL0512-123K-LF
15		0.001	0.0796	50	32	89	AL0512-153K-LF
18		0.001	0.0796	40	28	140	AL0512-183K-LF
22		0.001	0.0796	40	25	170	AL0512-223K-LF
25		0.001	0.0796	40	24	185	AL0512-253K-LF
27		0.001	0.0796	40	23	210	AL0512-273K-LF
30		0.001	0.0796	40	22	240	AL0512-303K-LF
33		0.001	0.0796	40	20	250	AL0512-333K-LF

- Operating temperature range -40°C to +105°C, Electrical specifications at 25°C.

SMT Common Mode Chokes

SMM1710B



■ Size : 19.5x17.0x10.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

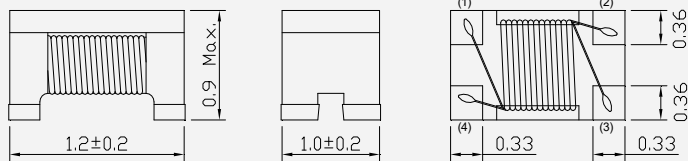
Packing unit : 180pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
220	±35%	0.01	3.3	60	SMM1710B-221-LF
590		0.01	5.6	21	SMM1710B-591-LF
770		0.01	4.7	40	SMM1710B-771-LF
1320		0.01	3.3	60	SMM1710B-132-LF
1470		0.01	32.8	80	SMM1710B-142-LF
600	Min.	0.01	3.6	50	SMM1710B-601-LF
900		0.01	1.5	60	SMM1710B-901-LF
1800		0.01	2.5	80	SMM1710B-182-LF
6000		0.01	1.0	450	SMM1710B-602-LF
13000		0.01	0.5	850	SMM1710B-133-LF

- Inductance is measured with a LCR meter 4284A or equivalent.
- Electrical specifications at 25°C.
- Operating Temperature Range : -40°C ~ +130°C.
- Storage Temperature Range : -55°C ~ +130°C.

SMT Common Mode Chokes

MM1210



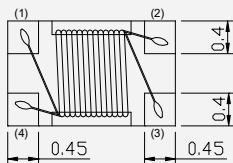
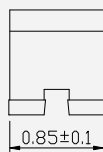
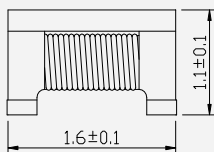
- Size : 1.2x1.0x0.9 (mm)
 - Core material : Ferrite
 - Magnetically shielded
 - RoHS-compatible
- Terminals : Lead-free tinned
- Solderability : Reflow soldering
- Delivery mode : Tape & reel packing
- Packing unit : 3000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	Rated Current (mA)	DCR (Ω) (Max)	Rated Voltage (Vdc)	Insulation Resistance (mΩ)	Withstand Voltage (Vdc)	Ordering code
25	±25%	100	300	0.30	20	10 min.	125	MM1210-250-LF
90		100	300	0.40	20	10 min.	125	MM1210-900-LF

- Operating temperature range -25℃ to +85℃.
- Electrical specifications at 20℃.

SMT Common Mode Chokes

MM1608



■ Size : 1.6x0.85x1.1 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

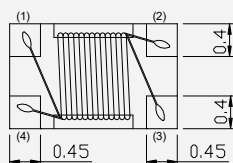
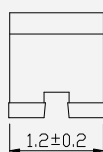
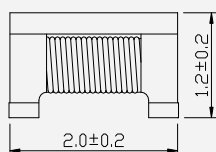
Packing unit : 2000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	Rated Current (mA)	DCR (Ω) (Max)	Rated Voltage (Vdc)	Insulation Resistance (mΩ)	Withstand Voltage (Vdc)	Ordering code
25	±25%	100	500	0.08	50	10 min.	125	MM1608-250-LF
60		100	500	0.11	50	10 min.	125	MM1608-600-LF
95		100	500	0.15	50	10 min.	125	MM1608-950-LF
145		100	500	0.18	50	10 min.	125	MM1608-141-LF
225		100	500	0.21	50	10 min.	125	MM1608-221-LF

- Operating temperature range -40℃ to 85℃.
- Electrical specifications at 20℃.

SMT Common Mode Chokes

MM2012



■ Size : 2.0x1.2x1.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

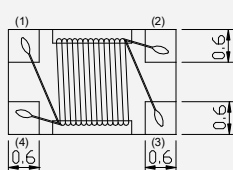
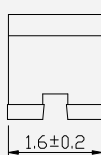
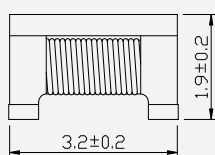
Packing unit : 2000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	Rated Current (mA)	DCR (Ω) (Max)	Rated Voltage (Vdc)	Insulation Resistance (mΩ)	Withstand Voltage (Vdc)	Ordering code
67	±25%	100	400	0.25	50	10 min.	125	MM2012-670-LF
90		100	370	0.30	50	10 min.	125	MM2012-900-LF
120		100	370	0.30	50	10 min.	125	MM2012-121-LF
180		100	330	0.35	50	10 min.	125	MM2012-181-LF
220		100	310	0.35	50	10 min.	125	MM2012-221-LF
260		100	300	0.40	50	10 min.	125	MM2012-261-LF
370		100	280	0.45	50	10 min.	125	MM2012-371-LF

- Operating temperature range -40°C to 85°C.
- Electrical specifications at 25°C.

SMT Common Mode Chokes

MM3216



■ Size : 3.2x1.6x1.9 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

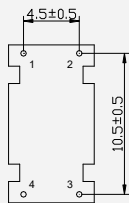
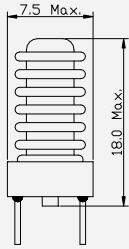
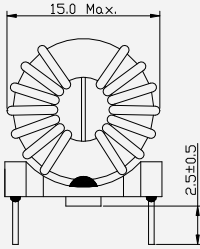
Packing unit : 2000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	Rated Current (mA)	DCR (Ω) (Max)	Rated Voltage (Vdc)	Insulation Resistance (mΩ)	Withstand Voltage (Vdc)	Ordering code
67	±25%	100	400	0.25	50	10 min.	125	MM3216-670-LF
90		100	370	0.30	50	10 min.	125	MM3216-900-LF
160		100	370	0.35	50	10 min.	125	MM3216-161-LF
220		100	310	0.50	50	10 min.	125	MM3216-221-LF
260		100	280	0.50	50	10 min.	125	MM3216-261-LF
600		100	260	0.80	50	10 min.	125	MM3216-601-LF
1000		100	230	1.00	50	10 min.	125	MM3216-102-LF
2200		100	200	1.20	50	10 min.	125	MM3216-222-LF

- Operating temperature range -40°C to 85°C.
- Electrical specifications at 25°C.

Common Mode Choke Toroidal

CMT1205B



- Size : 15.0x18.0x7.5 (mm)
- Core material : Ferrite
- RoHS-compatible

Terminals : Lead-free tinned

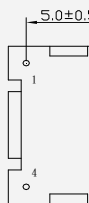
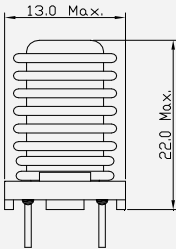
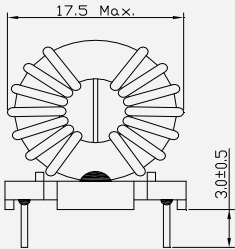
Solderability : Reflow soldering

INDUCTANCE (mH)	Tolerance	f _L MHz	DCR (mΩ) (Max.)	IDC (A) (Max.)	NOMINAL VOLTAGE VAC	Ordering code
1.0	±30%=N	0.001	45	2.0	250	CMT1205B-102N-LF
4.0		0.001	140	1.5	250	CMT1205B-402N-LF
5.0		0.001	200	1.0	250	CMT1205B-502N-LF
10		0.001	350	0.7	250	CMT1205B-103N-LF
20		0.001	1000	0.5	250	CMT1205B-203N-LF
39		0.001	3000	0.3	250	CMT1205B-393N-LF

- Test voltage : 1500V, 50Hz , 5mA , 2sec.
- Operating temperature range -40℃ to +125℃.
- Electrical specifications at 25℃.

Common Mode Choke Toroidal

CMT1409B



- Size : 17.5x22.0x13.0 (mm)
- Core material : Ferrite
- RoHS-compatible

Terminals : Lead-free tinned

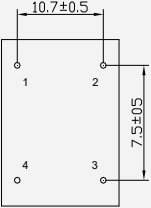
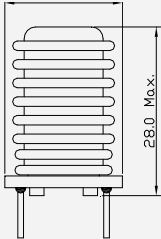
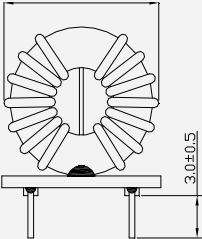
Solderability : Reflow soldering

INDUCTANCE (mH)	Tolerance	f _L MHz	DCR (mΩ) (Max.)	IDC (A) (Max.)	NOMINAL VOLTAGE VAC	Ordering code
1.0	±30%=N	0.01	35	3.0	250	CMT1409B-102N-LF
2.2		0.01	70	2.0	250	CMT1409B-402N-LF
3.3		0.01	120	1.5	250	CMT1409B-502N-LF
10.0		0.01	360	1.0	250	CMT1409B-103N-LF
20.0		0.01	540	0.5	250	CMT1409B-203N-LF

- Test voltage : 1500V, 50Hz , 5mA , 2sec.
- Operating temperature range -40℃ to +125℃.
- Electrical specifications at 25℃.

Common Mode Choke Toroidal

CMT2010B



- Size : 23.5x28.0x17.0 (mm)
- Core material : Ferrite
- RoHS-compatible

Terminals : Lead-free tinned

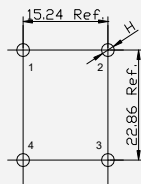
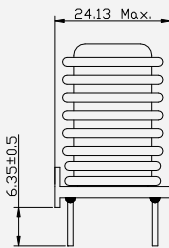
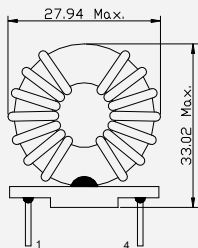
Solderability : Reflow soldering

INDUCTANCE (mH)	Tolerance	f _L MHz	DCR (mΩ) (Max.)	IDC (A) (Max.)	NOMINAL VOLTAGE V _{AC}	Ordering code
1.0	±30%=N	0.01	10	6.0	250	CMT2010B-102N-LF
2.2		0.01	30	4.0	250	CMT2010B-222N-LF
3.3		0.01	60	2.5	250	CMT2010B-332N-LF
5.0		0.01	95	2.5	250	CMT2010B-502N-LF
10.0		0.01	125	2.0	250	CMT2010B-103N-LF
20.0		0.01	270	1.5	250	CMT2010B-203N-LF

- Test voltage : 1500V, 50Hz , 5mA , 2sec.
- Operating temperature range -40℃ to +125℃.
- Electrical specifications at 25℃.

Common Mode Choke Toroidal

CMT2212B



Size : 27.94x24.13x33.02 (mm)

Core material : Ferrite

RoHS-compatible

Terminals : Lead-free tinned

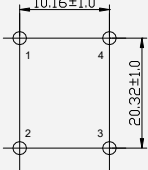
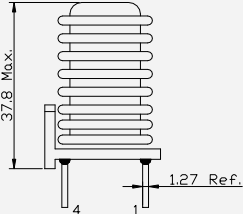
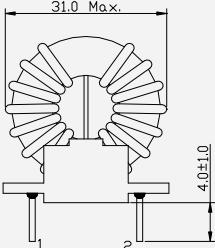
Solderability : Reflow soldering

INDUCTANCE (mH)	Tolerance	f _L MHz	DCR (mΩ) (Max.)	IDC (A) (Max.)	Dimension H (mm)	Ordering code
0.143	±30%=N	0.01	1.52	27.3	2.08	CMT2212BF-141N-LF
0.367		0.01	2.80	20.1	1.88	CMT2212BF-361N-LF
0.464		0.01	4.17	16.5	1.70	CMT2212BF-461N-LF
0.574		0.01	5.31	14.6	1.55	CMT2212BF-571N-LF
0.970		0.01	8.50	11.5	1.40	CMT2212BF-971N-LF
1.12		0.01	12.24	9.6	1.02	CMT2212BF-112N-LF
1.65		0.01	18.48	7.8	1.17	CMT2212BF-162N-LF
1.85		0.01	23.60	6.9	1.07	CMT2212BF-182N-LF
2.29		0.01	33.15	5.8	0.97	CMT2212BF-222N-LF
2.77		0.01	46.44	4.9	0.89	CMT2212BF-272N-LF
3.03		0.01	58.92	4.4	0.81	CMT2212BF-302N-LF
3.88		0.01	83.53	3.7	0.76	CMT2212BF-382N-LF
5.87		0.01	132.4	2.9	0.71	CMT2212BF-582N-LF
0.300		0.01	1.52	27.3	2.08	CMT2212BT-301N-LF
0.768		0.01	2.80	20.1	1.88	CMT2212BT-761N-LF
0.972		0.01	4.17	16.5	1.70	CMT2212BT-971N-LF
1.20		0.01	5.31	14.6	1.55	CMT2212BT-122N-LF
2.02		0.01	8.50	11.5	1.40	CMT2212BT-202N-LF
2.35		0.01	12.24	9.6	1.02	CMT2212BT-232N-LF
3.46		0.01	18.48	7.8	1.17	CMT2212BT-342N-LF
3.88		0.01	23.60	6.9	1.07	CMT2212BT-382N-LF
4.80		0.01	33.15	5.8	0.97	CMT2212BT-482N-LF
5.80		0.01	46.44	4.9	0.89	CMT2212BT-582N-LF
6.34		0.01	58.92	4.4	0.81	CMT2212BT-632N-LF
8.11		0.01	83.53	3.7	0.76	CMT2212BT-812N-LF
12.28		0.01	132.4	2.9	0.71	CMT2212BT-123N-LF

- Test voltage : 1500V, 50Hz , 5mA , 2sec.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Common Mode Choke Toroidal

CMT2510B



- Size : 31.0x37.8 (mm)
- Core material : Ferrite
- RoHS-compatible

Terminals : Lead-free tinned

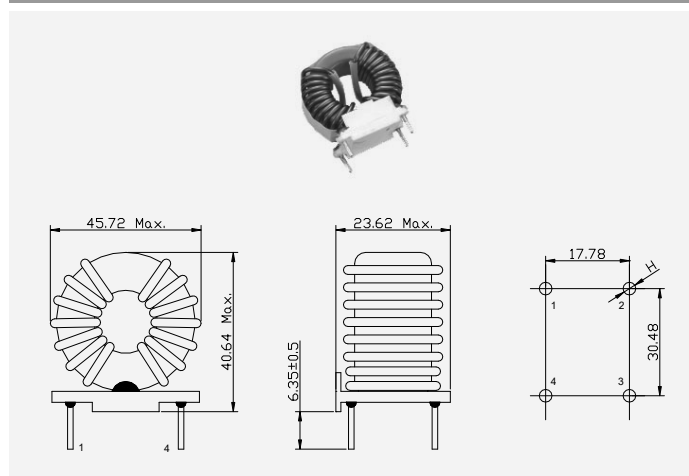
Solderability : Reflow soldering

INDUCTANCE (mH)	Tolerance	f _L MHz	DCR (mΩ) (Max.)	IDC (A) (Max.)	NOMINAL VOLTAGE VAC	Ordering code
1.0	±30%=N	0.01	10	10.0	250	CMT2510B-102N-LF
1.4		0.01	19	8.0	250	CMT2510B-142N-LF
1.9		0.01	19	7.0	250	CMT2510B-192N-LF
2.2		0.01	20	6.0	250	CMT2510B-222N-LF
3.3		0.01	35	4.0	250	CMT2510B-332N-LF
4.0		0.01	45	4.0	250	CMT2510B-402N-LF
5.0		0.01	50	4.0	250	CMT2510B-502N-LF
7.0		0.01	80	3.5	250	CMT2510B-702N-LF
10.0		0.01	105	3.0	250	CMT2510B-103N-LF
20.0		0.01	220	2.0	250	CMT2510B-203N-LF

- Test voltage : 1500V, 50Hz , 5mA , 2sec.
- Operating temperature range -40℃ to +125℃.
- Electrical specifications at 25℃.

Common Mode Choke Toroidal

CMT2915BF



■ Size : 45.72x40.64x23.62 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

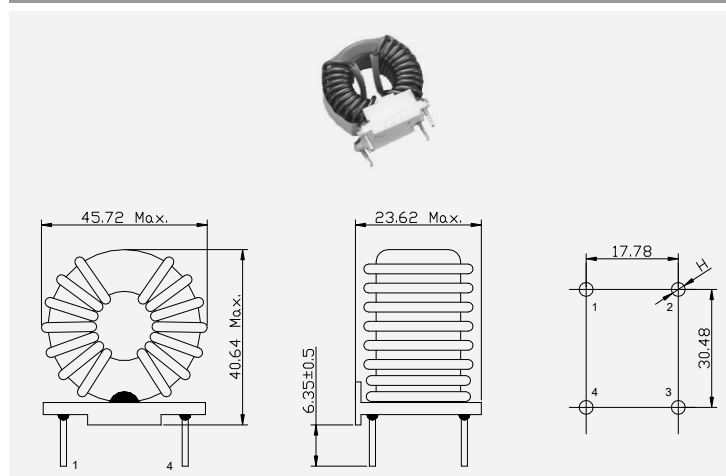
Solderability : Reflow soldering

INDUCTANCE (mH)	Tolerance	f _L MHz	DCR (mΩ) (Nom.)	I _{rms} (A) (Max.)	Dimension H (mm)	Ordering code
0.1596	Min.	0.01	1.20	40.0	5.08	CMT2915BF-151-LF
0.2835		0.01	1.89	31.9	2.54	CMT2915BF-281-LF
0.3592		0.01	3.01	25.3	2.31	CMT2915BF-351-LF
0.4435		0.01	3.58	23.2	2.08	CMT2915BF-441-LF
0.6386		0.01	5.11	19.4	1.88	CMT2915BF-631-LF
0.8692		0.01	7.41	16.1	1.70	CMT2915BF-861-LF
1.1352		0.01	10.23	13.7	1.55	CMT2915BF-112-LF
1.4368		0.01	14.55	11.5	1.40	CMT2915BF-142-LF
1.7738		0.01	20.97	9.6	1.02	CMT2915BF-172-LF
2.5543		0.01	30.91	7.9	1.17	CMT2915BF-252-LF
2.9977		0.01	43.54	6.7	1.07	CMT2915BF-292-LF
4.2616		0.01	65.30	5.4	0.97	CMT2915BF-422-LF
4.8292		0.01	86.41	4.7	0.89	CMT2915BF-482-LF
5.7471		0.01	112.02	4.1	0.81	CMT2915BF-572-LF
7.4544		0.01	160.00	3.5	0.76	CMT2915BF-742-LF
9.3834		0.01	230.00	2.9	0.711	CMT2915BF-932-LF

- Test voltage : 1500V, 50Hz , 5mA , 2sec.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Common Mode Choke Toroidal

CMT2915BT



■ Size : 45.72x40.64x23.62 (mm)

■ Core material : Ferrite

■ RoHS-compatible

Terminals : Lead-free tinned

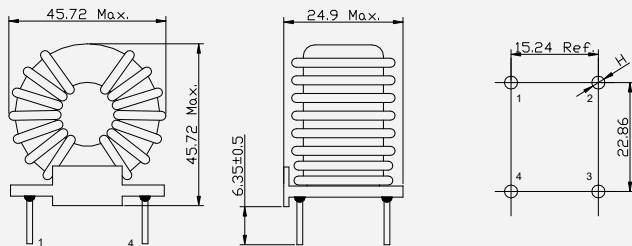
Solderability : Reflow soldering

INDUCTANCE (mH)	Tolerance	f _L MHz	DCR (mΩ) (Nom.)	I _{rms} (A) (Max.)	Dimension H (mm)	Ordering code
0.3192	Min.	0.01	1.20	40.0	5.08	CMT2915BT-391-LF
0.5677		0.01	1.89	31.9	2.54	CMT2915BT-561-LF
0.7184		0.01	3.01	25.3	2.31	CMT2915BT-711-LF
0.8869		0.01	3.58	23.2	2.08	CMT2915BT-881-LF
1.2771		0.01	5.11	19.4	1.88	CMT2915BT-122-LF
1.7383		0.01	7.41	16.1	1.70	CMT2915BT-172-LF
2.2705		0.01	10.23	13.7	1.55	CMT2915BT-222-LF
2.8736		0.01	14.55	11.5	1.40	CMT2915BT-282-LF
3.5476		0.01	20.97	9.6	1.02	CMT2915BT-352-LF
5.1085		0.01	30.91	7.9	1.17	CMT2915BT-512-LF
5.9954		0.01	43.54	6.7	1.07	CMT2915BT-592-LF
8.5231		0.01	65.30	5.4	0.97	CMT2915BT-852-LF
9.6583		0.01	86.41	4.7	0.89	CMT2915BT-962-LF
11.4942		0.01	112.02	4.1	0.81	CMT2915BT-113-LF
14.9088		0.01	160.00	3.5	0.76	CMT2915BT-143-LF
18.7668		0.01	230.00	2.9	0.711	CMT2915BT-183-LF

- Test voltage : 1500V, 50Hz , 5mA , 2sec.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Common Mode Choke Toroidal

CMT3615B



Size : 45.72x45.72x24.9 (mm)

Core material : Ferrite

RoHS-compatible

Terminals : Lead-free tinned

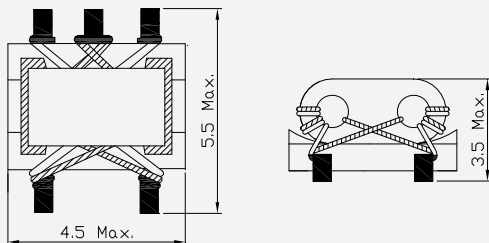
Solderability : Reflow soldering

INDUCTANCE (mH)	Tolerance	f _L MHz	DCR (mΩ) (Max.)	I _{rms} (A) (Max.)	Dimension H (mm)	Ordering code
2.00	±30%=N	0.01	10.0	21.0	1.85	CMT3615B-202N-LF
4.00		0.01	20.0	15.0	1.60	CMT3615B-402N-LF
5.44		0.01	75.0	81.0	1.27	CMT3615B-542N-LF
2.68		0.01	9.6	20.0	1.55	CMT3615BF-262N-LF
3.86		0.01	6.4	19.4	1.40	CMT3615BF-382N-LF
4.19		0.01	6.0	27.3	1.02	CMT3615BF-412N-LF
6.04		0.01	15.0	9.0	1.17	CMT3615BF-602N-LF
8.22		0.01	13.0	10.0	1.07	CMT3615BF-822N-LF
10.20		0.01	1.20	40.0	0.97	CMT3615BF-103N-LF
11.28		0.01	1.89	31.9	0.89	CMT3615BF-113N-LF
14.20		0.01	3.01	25.3	0.81	CMT3615BF-143N-LF
18.85		0.01	3.58	23.2	0.76	CMT3615BF-183N-LF
24.16		0.01	5.11	19.4	0.71	CMT3615BF-243N-LF
5.37		0.01	9.6	20.0	1.55	CMT3615BT-532N-LF
7.73		0.01	6.4	19.4	1.40	CMT3615BT-772N-LF
8.39		0.01	6.0	27.3	1.02	CMT3615BT-832N-LF
12.08		0.01	15.0	9.0	1.17	CMT3615BT-123N-LF
16.22		0.01	13.0	10.0	1.07	CMT3615BT-163N-LF
20.41		0.01	1.20	40.0	0.97	CMT3615BT-203N-LF
22.56		0.01	1.89	31.9	0.89	CMT3615BT-223N-LF
28.40		0.01	3.01	25.3	0.81	CMT3615BT-283N-LF
37.71		0.01	3.58	23.2	0.76	CMT3615BT-373N-LF
48.33		0.01	5.11	19.4	0.71	CMT3615BT-483N-LF

- Test voltage : 1500V, 50Hz , 5mA , 2sec.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Balun Transformers

SRIDB4030



■ Size : 5.5x4.5x3.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

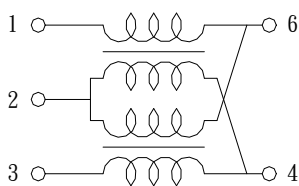
Solderability : Reflow soldering

Delivery mode : Tape & reel packing

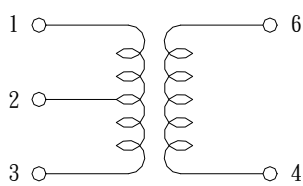
Packing unit : 2000 pcs/reel

INSERTION LOSS (dB)	WINDING TURNS	OPERATING FREQUENCY RANGE (MHz)	PIN CONNECTION Fig.	Ordering code
3.5dB Max.	2Turns	50 MHz~1GHz	1	SRIDB4030-002A-LF
4.0dB Max.	3Turns	30 MHz~1GHz	1	SRIDB4030-003A-LF
4.0dB Max.	4Turns	20 MHz~1GHz	1	SRIDB4030-004A-LF
5.0dB Max.	1.5Turns	50 MHz~600 MHz	2	SRIDB4030-1R5B-LF
3.5dB Max.	2Turns	50 MHz~1GHz	2	SRIDB4030-002B-LF
6.0dB Max.	2.5Turns	50 MHz~600 MHz	2	SRIDB4030-2R5B-LF
10.0dB Max.	3.5Turns	50 MHz~500 MHz	3	SRIDB4030-3R5C-LF
12.0dB Max.	4.5Turns	50 MHz~450 MHz	3	SRIDB4030-4R5C-LF
15.0dB Max.	5.5Turns	50 MHz~400 MHz	3	SRIDB4030-5R5C-LF
6.5dB Max.	2Turns	50 MHz~800 MHz	4	SRIDB4030-002D-LF
3.0dB Max.	2Turns	25 MHz~2GHz	1	SRIDB4030-1007A-LF
3.0dB Max.	3Turns	6.0 MHz~2 GHz	1	SRIDB4030-1009A-LF
3.0dB Max.	3Turns	150 MHz~2.3 GHz	1	SRIDB4030-1006A-LF
3.0dB Max.	4Turns	3.5 MHz~2GHz	1	SRIDB4030-1010A-LF
3.0dB Max.	5Turns	2.0 MHz~2 GHz	1	SRIDB4030-1018A-LF
3.0dB Max.	1.5Turns	20 MHz~2GHz	2	SRIDB4030-1021B-LF
3.0dB Max.	2.5Turns	4.5 MHz~3.3 GHz	2	SRIDB4030-1022B-LF
3.0dB Max.	3.5Turns	2.3 MHz~2.7 GHz	2	SRIDB4030-1023B-LF
3.0dB Max.	4.5Turns	1.5 MHz~2.4 GHz	2	SRIDB4030-1024B-LF

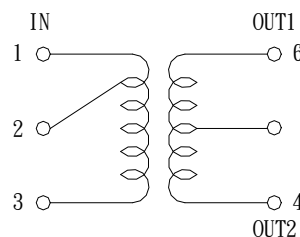
PIN CONNECTION



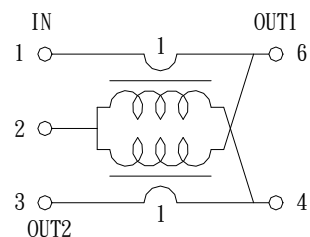
Double Balanced
Fig.1



Mixer Transformer
Fig.2



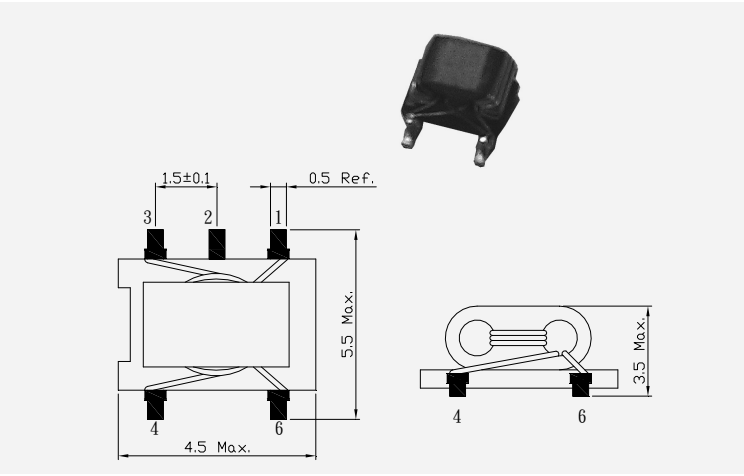
Distributor
Fig.3



Distributor Coupler
Fig.4

Balun Transformers

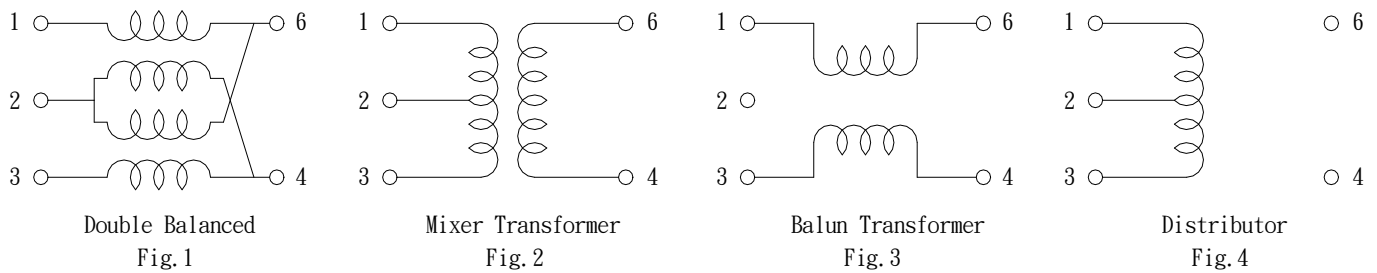
SRIDB4432



- Size : 5.5x4.5x3.5 (mm)
 - Core material : Ferrite
 - Magnetically shielded
 - RoHS-compatible
- Terminals : Lead-free tinned
- Solderability : Reflow soldering
- Delivery mode : Tape & reel packing
- Packing unit : 2000 pcs/reel

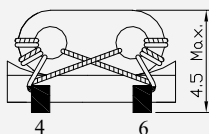
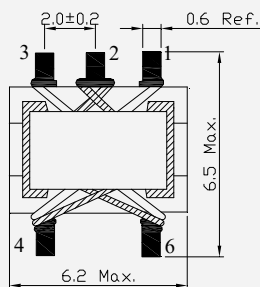
INSERTION LOSS (dB)	WINDING TURNS	OPERATING FREQUENCY RANGE (MHz)	PIN CONNECTION Fig.	Ordering code
Double Balanced Mixer				
3	2	25MHz~2000MHz	1	SRIDB4432-1007A-LF
3	3	6MHz~2000MHz	1	SRIDB4432-1009A-LF
3	3	150MHz~2300MHz	1	SRIDB4432-1006A-LF
3	4	3.5MHz~2000MHz	1	SRIDB4432-1010A-LF
3	5	2MHz~2000MHz	1	SRIDB4432-1018A-LF
Frequency Mixer				
—	1	—	2	SRIDB4432-1025A-LF
3	2	8MHz~750MHz	2	SRIDB4432-1019A-LF
3	3	3.5MHz~700MHz	2	SRIDB4432-1026A-LF
Balun Transformer				
3	1.5	20MHz~750MHz	3	SRIDB4432-1021A-LF
3	2.5	4.5MHz~3300MHz	3	SRIDB4432-1022A-LF
3	3.5	2.3MHz~2700MHz	3	SRIDB4432-1023A-LF
3	4.5	1.5MHz~2400MHz	3	SRIDB4432-1024A-LF
Distributor				
IN to OUT-1,2 4.5dB Max.	2	1300MHz~1700MHz	4	SRIDB4432-1079A-LF
OUT-1 to OUT-2 (ISOLATION) 5dB Min.	3	800MHz~1000MHz	4	SRIDB4432-1076A-LF

PIN CONNECTION



Balun Transformers

SRIDB6044



■ Size : 6.5x6.2x4.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

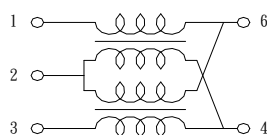
Solderability : Reflow soldering

Delivery mode : Tape & reel packing

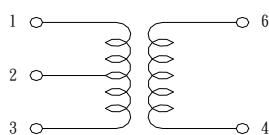
Packing unit : 2000 pcs/reel

INSERTION LOSS (dB)	WINDING TURNS	OPERATING FREQUENCY RANGE (MHz)	PIN CONNECTION Fig.	Ordering code
Double Balanced Mixer				
3.5dB Max.	3x4	8MHz~800MHz	1	SRIDB6044-1003A-LF
4dB Max.	2x4	400MHz~1.3GHz	1	SRIDB6044-1005A-LF
2.5dB Max.	4x4	6MHz~600MHz	1	SRIDB6044-1008A-LF
2dB Max.	5x4	5MHz~500MHz	1	SRIDB6044-1011A-LF
10dB Max.	1x4	50MHz~400MHz	1	SRIDB6044-1012A-LF
6dB Max.	2x4	10MHz~1.0GHz	1	SRIDB6044-1013A-LF
Frequency Mixer Pri Sec				
3dB Max.	3x2 3	3.5 MHz~470MHz	2	SRIDB6044-1024A-LF
3dB Max.	2x2 2	9MHz~350MHz	2	SRIDB6044-1052A-LF
3dB Max.	1x2 1	—	2	SRIDB6044-1085A-LF
3dB Max.	4x2 4	2.2MHz~400MHz	2	SRIDB6044-1086A-LF
3dB Max.	5x2 5	1.5MHz~300MHz	2	SRIDB6044-1087A-LF
Distributor				
IN to OUT-1,2 4.5dB Max. OUT-1 to OUT-2 (ISOLATION) 1 0dB Min.	—	20MHz~600MHz	3	SRIDB6044-1014A-LF
Directional Coupler				
IN to OUT-1 0.9dB Max. IN to OUT-2 13~16dB	5	6MHz~600MHz	4	SRIDB6044-1006A-LF
IN to OUT-1 0.8dB Max. IN to OUT-2 15~17dB	6	6MHz~600MHz	4	SRIDB6044-1007A-LF
IN to OUT-1 1.3dB Max. IN to OUT-2 11~14dB	4	6MHz~600MHz	4	SRIDB6044-1015A-LF

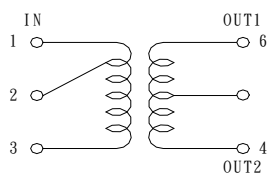
PIN CONNECTION



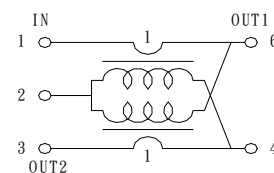
Double Balanced
Fig. 1



Mixer Transformer
Fig. 2



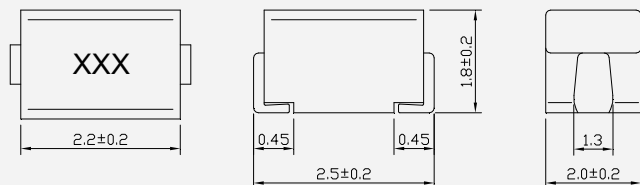
Distributor
Fig. 3



Distributor Coupler
Fig. 4

Wire Wound Chip Inductors

MW2520



■ Size : 2.5x2.0x1.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

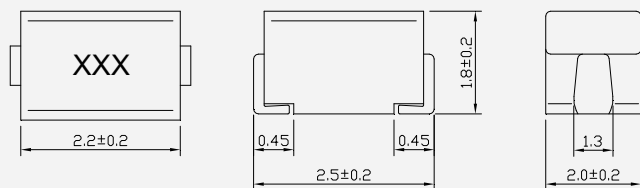
Delivery mode : Tape & reel packing

Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	Q. MIN	TEST FREQ (MHz)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
0.12	±10%=K	30	25.2	520	0.37	MW2520-R12K-LF
0.15		30	25.2	480	0.42	MW2520-R15K-LF
0.18		30	25.2	460	0.46	MW2520-R18K-LF
0.22		30	25.2	430	0.52	MW2520-R22K-LF
0.27		30	25.2	420	0.60	MW2520-R27K-LF
0.33		30	25.2	400	0.65	MW2520-R33K-LF
0.39		30	25.2	375	0.68	MW2520-R39K-LF
0.47		30	25.2	350	0.75	MW2520-R47K-LF
0.56		30	25.2	325	0.85	MW2520-R56K-LF
0.68		30	25.2	300	0.85	MW2520-R68K-LF
0.82		30	25.2	260	1.00	MW2520-R82K-LF
1.0	±5%=J	30	7.96	245	1.10	MW2520-1R0J-LF
1.2		30	7.96	230	1.20	MW2520-1R2J-LF
1.5		30	7.96	220	1.30	MW2520-1R5J-LF
1.8		30	7.96	210	1.45	MW2520-1R8J-LF
2.2		30	7.96	200	1.55	MW2520-2R2J-LF
2.7		30	7.96	195	1.70	MW2520-2R7J-LF
3.3		30	7.96	185	1.90	MW2520-3R3J-LF
3.9		30	7.96	180	2.10	MW2520-3R9J-LF
4.7		30	7.96	175	2.30	MW2520-4R7J-LF
5.6		25	7.96	170	2.50	MW2520-5R6J-LF
6.8		25	7.96	165	2.70	MW2520-6R8J-LF
8.2		25	7.96	160	3.05	MW2520-8R2J-LF
10		25	2.52	155	3.50	MW2520-100J-LF
12		25	2.52	150	3.80	MW2520-120J-LF
15		25	2.52	140	4.40	MW2520-150J-LF
18		25	2.52	130	4.80	MW2520-180J-LF
22		25	2.52	125	5.50	MW2520-220J-LF
27		25	2.52	115	6.30	MW2520-270J-LF
33		25	2.52	110	7.10	MW2520-330J-LF

Wire Wound Chip Inductors

MW2520



■ Size : 2.5x2.0x1.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

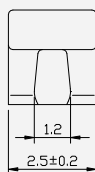
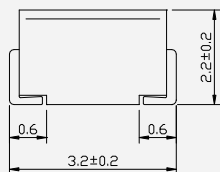
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	Q. MIN	TEST FREQ (MHz)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
39	±5%=J	20	2.52	90	9.50	MW2520-390J-LF
47		20	2.52	80	11.10	MW2520-470J-LF
56		20	2.52	75	12.10	MW2520-560J-LF
68		20	2.52	70	16.60	MW2520-680J-LF
82		20	2.52	66	19.00	MW2520-820J-LF
100		15	0.769	60	21.00	MW2520-101J-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +105°C, , Electrical specifications at 25°C.

Wire Wound Chip Inductors

MW3225C



■ Size : 3.2x2.5x2.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

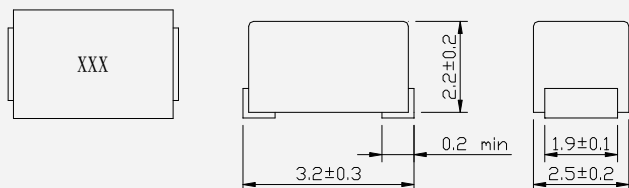
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	Q. MIN	TEST FREQ (MHz)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
1.0	±10%=K	10	7.96	770	0.156	MW3225C-1R0M-LF
1.5		10	7.96	580	0.195	MW3225C-1R5M-LF
2.2		10	7.96	480	0.260	MW3225C-2R2M-LF
3.3		10	7.96	400	0.325	MW3225C-3R3M-LF
4.7		10	7.96	320	0.520	MW3225C-4R7M-LF
6.8		10	7.96	280	0.650	MW3225C-6R8M-LF
10		15	2.52	220	1.105	MW3225C-100K-LF
15		15	2.52	180	1.690	MW3225C-150K-LF
22		15	2.52	145	2.600	MW3225C-220K-LF
33		15	2.52	115	3.640	MW3225C-330K-LF
47		20	2.52	105	5.460	MW3225C-470K-LF
68		20	2.52	85	8.450	MW3225C-680K-LF
100		20	0.796	75	10.140	MW3225C-101K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +105°C, Electrical specifications at 25°C.

Wire Wound Chip Inductors

MW3225CV



■ Size : 3.2x2.5x2.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

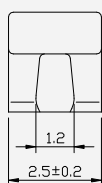
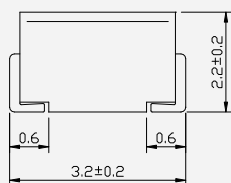
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	Q. Min.	TEST FREQ (MHz)	SRF (MHz) Min.	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
0.15	±20%=M	5	25.2	400	750	0.25	MW3225CV-R15□-LF
0.22		5	25.2	250	750	0.3	MW3225CV-R22□-LF
0.47		5	25.2	150	750	0.3	MW3225CV-R47□-LF
1.0		10	7.96	100	750	0.3	MW3225CV-1R0□-LF
1.5		10	7.96	80	700	0.3	MW3225CV-1R5□-LF
2.2	±10%=K ±20%=M	10	7.96	68	600	0.33	MW3225CV-2R2□-LF
3.3		10	7.96	54	500	0.35	MW3225CV-3R3□-LF
4.7		15	7.96	46	430	0.45	MW3225CV-4R7□-LF
6.8		15	7.96	38	360	0.5	MW3225CV-6R8□-LF
10		15	2.52	30	300	0.8	MW3225CV-100□-LF
15	±10%=K	15	2.52	26	250	1.6	MW3225CV-150□-LF
22		15	2.52	21	210	2.2	MW3225CV-220□-LF
33		15	2.52	17	170	2.8	MW3225CV-330□-LF
47		15	2.52	14	150	3.2	MW3225CV-470□-LF
56		15	2.52	13	120	5.0	MW3225CV-470□-LF
68		15	2.52	12	120	5.0	MW3225CV-680□-LF
82		15	2.52	10	110	6.5	MW3225CV-680□-LF
100		15	0.796	10	100	7.5	MW3225CV-101□-LF
150		20	0.796	7	85	11	MW3225CV-151□-LF
220		20	0.796	6	70	14	MW3225CV-221□-LF
330		20	0.796	5	60	21	MW3225CV-331□-LF

- Rated current: Current cause Inductance drop within 10%.
- Operating temperature : -40°C to 105°C, Electrical specifications at 25°C.

Wire Wound Chip Inductors

MW3225



■ Size : 3.2x2.5x2.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

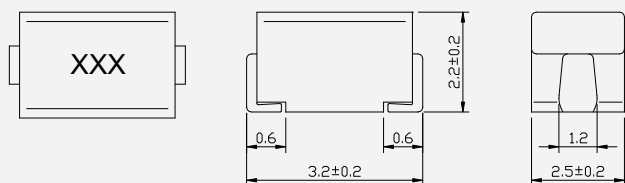
Delivery mode : Tape & reel packing

Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	Q. MIN	TEST FREQ (MHz)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
0.10	±20%=M	28	100	450	0.44	MW3225-R10M-LF
0.12		30	25.2	450	0.22	MW3225-R12M-LF
0.15		30	25.2	450	0.25	MW3225-R15M-LF
0.18		30	25.2	450	0.28	MW3225-R18M-LF
0.22		30	25.2	450	0.32	MW3225-R22M-LF
0.27		30	25.2	450	0.36	MW3225-R27M-LF
0.33		30	25.2	400	0.40	MW3225-R33M-LF
0.39		30	25.2	450	0.45	MW3225-R39M-LF
0.47		30	25.2	450	0.50	MW3225-R47M-LF
0.56		30	25.2	450	0.55	MW3225-R56M-LF
0.68		30	25.2	450	0.60	MW3225-R68M-LF
0.82		30	25.2	450	0.65	MW3225-R82M-LF
1.0	±10%=K	30	7.96	400	0.70	MW3225-1R0K-LF
1.2		30	7.96	390	0.75	MW3225-1R2K-LF
1.5		30	7.96	370	0.85	MW3225-1R5K-LF
1.8		30	7.96	350	0.90	MW3225-1R8K-LF
2.2		30	7.96	320	1.00	MW3225-2R2K-LF
2.7		30	7.96	290	1.10	MW3225-2R7K-LF
3.3		30	7.96	260	1.20	MW3225-3R3K-LF
3.9		30	7.96	250	1.30	MW3225-3R9K-LF
4.7		30	7.96	220	1.50	MW3225-4R7K-LF
5.6		30	7.96	200	1.60	MW3225-5R6K-LF
6.8		30	7.96	180	1.80	MW3225-6R8K-LF
8.2		30	7.96	170	2.00	MW3225-8R2K-LF
10		30	2.52	150	2.10	MW3225-100K-LF
12		30	2.52	140	2.50	MW3225-120K-LF
15		30	2.52	130	2.80	MW3225-150K-LF
18		30	2.52	120	3.30	MW3225-180K-LF
22		30	2.52	110	3.70	MW3225-220K-LF
27		30	2.52	80	5.00	MW3225-270K-LF

Wire Wound Chip Inductors

MW3225



■ Size : 3.2x2.5x2.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

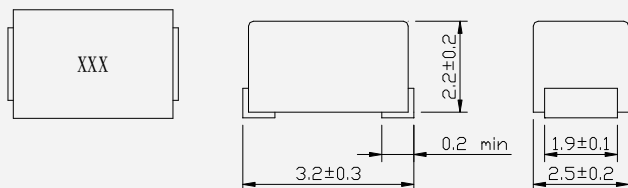
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	Q. MIN	TEST FREQ (MHz)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
33	±10%=K	30	2.52	70	5.60	MW3225-330K-LF
39		30	2.52	65	6.40	MW3225-390K-LF
47		30	2.52	60	7.00	MW3225-470K-LF
56		30	2.52	55	8.00	MW3225-560K-LF
68		30	2.52	50	9.00	MW3225-680K-LF
82		30	2.52	45	10.00	MW3225-820K-LF
100		20	0.769	40	11.00	MW3225-101K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +105°C, Electrical specifications at 25°C.

Wire Wound Chip Inductors

MW3225V



■ Size : 3.2x2.5x2.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

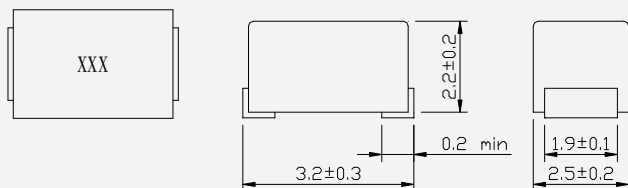
Delivery mode : Tape & reel packing

Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	Q. Min.	TEST FREQ (MHz)	SRF (MHz) Min.	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
0.010	±20%=M	15	100	2500	450	0.13	MW3225V-010□-LF
0.012		17	100	2300	450	0.14	MW3225V-012□-LF
0.015		19	100	2100	450	0.16	MW3225V-015□-LF
0.018		21	100	1900	450	0.18	MW3225V-018□-LF
0.022		23	100	1700	450	0.2	MW3225V-022□-LF
0.027		23	100	1500	450	0.22	MW3225V-027□-LF
0.033		25	100	1400	450	0.24	MW3225V-033□-LF
0.039		25	100	1300	450	0.27	MW3225V-039□-LF
0.047		26	100	1200	450	0.3	MW3225V-047□-LF
0.056		26	100	1100	450	0.33	MW3225V-056□-LF
0.068		27	100	1000	450	0.36	MW3225V-068□-LF
0.082		27	100	900	450	0.4	MW3225V-082□-LF
0.10		28	100	700	450	0.44	MW3225V-R10□-LF
0.12	±10%=K ±20%=M	30	25.2	500	450	0.22	MW3225V-R12□-LF
0.15		30	25.2	450	450	0.25	MW3225V-R15□-LF
0.18		30	25.2	400	450	0.28	MW3225V-R18□-LF
0.22		30	25.2	350	450	0.32	MW3225V-R22□-LF
0.27		30	25.2	320	450	0.36	MW3225V-R27□-LF
0.33		30	25.2	300	450	0.4	MW3225V-R33□-LF
0.39		30	25.2	250	450	0.45	MW3225V-R39□-LF
0.47		30	25.2	220	450	0.5	MW3225V-R47□-LF
0.56		30	25.2	180	450	0.55	MW3225V-R56□-LF
0.68		30	25.2	160	450	0.6	MW3225V-R68□-LF
0.82	±5%=J ±10%=K	30	25.2	140	450	0.65	MW3225V-R82□-LF
1.0		30	7.96	120	400	0.7	MW3225V-1R0□-LF
1.2		30	7.96	100	390	0.75	MW3225V-1R2□-LF
1.5		30	7.96	85	370	0.85	MW3225V-1R5□-LF
1.8		30	7.96	80	350	0.9	MW3225V-1R8□-LF
2.2		30	7.96	75	320	1	MW3225V-2R2□-LF

Wire Wound Chip Inductors

MW3225V



■ Size : 3.2x2.5x2.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

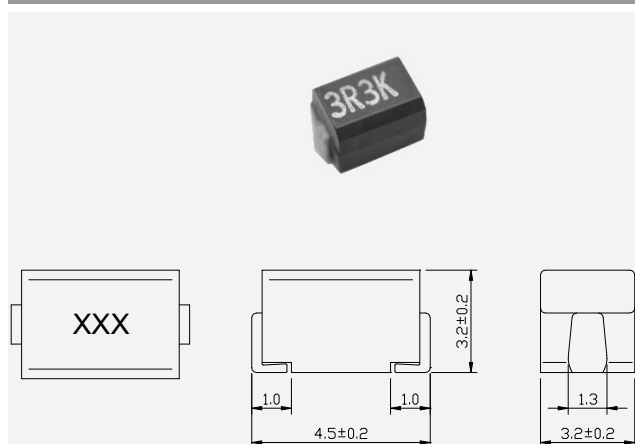
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	Q. Min.	TEST FREQ (MHz)	SRF (MHz) Min.	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
2.7	±5%=J ±10%=K	30	7.96	70	290	1.1	MW3225V-2R7□-LF
3.3		30	7.96	60	260	1.2	MW3225V-3R3□-LF
3.9		30	7.96	55	250	1.3	MW3225V-3R9□-LF
4.7		30	7.96	50	220	1.5	MW3225V-4R7□-LF
5.6		30	7.96	45	200	1.6	MW3225V-5R6□-LF
6.8		30	7.96	40	180	1.8	MW3225V-6R8□-LF
8.2		30	7.96	35	170	2	MW3225V-8R2□-LF
10		30	2.52	30	150	2.1	MW3225V-100□-LF
12		30	2.52	20	140	2.5	MW3225V-120□-LF
15		30	2.52	20	130	2.8	MW3225V-150□-LF
18		30	2.52	20	120	3.3	MW3225V-180□-LF
22		30	2.52	20	110	3.7	MW3225V-220□-LF
27		30	2.52	18	80	5	MW3225V-270□-LF
33		30	2.52	17	70	5.6	MW3225V-330□-LF
39		30	2.52	16	65	6.4	MW3225V-390□-LF
47		30	2.52	15	60	7	MW3225V-470□-LF
56		30	2.52	13	55	8	MW3225V-560□-LF
68		30	2.52	12	50	9	MW3225V-680□-LF
82		30	2.52	11	45	10	MW3225V-820□-LF
100		20	0.796	10	40	10	MW3225V-101□-LF
120		20	0.796	9	70	11	MW3225V-121□-LF
150		20	0.796	7	65	15	MW3225V-151□-LF
180		20	0.796	6	60	17	MW3225V-181□-LF
220		20	0.796	6	50	21	MW3225V-221□-LF
270		20	0.796	5	45	28	MW3225V-270□-LF
330		20	0.796	5	40	34	MW3225V-331□-LF

- Rated current: Current cause Inductance drop within 10%.
- Operating temperature range -40°C to +105°C, Electrical specifications at 25°C.

Wire Wound Chip Inductors

MW4532C



■ Size : 4.5x3.2x3.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μ H, coded)

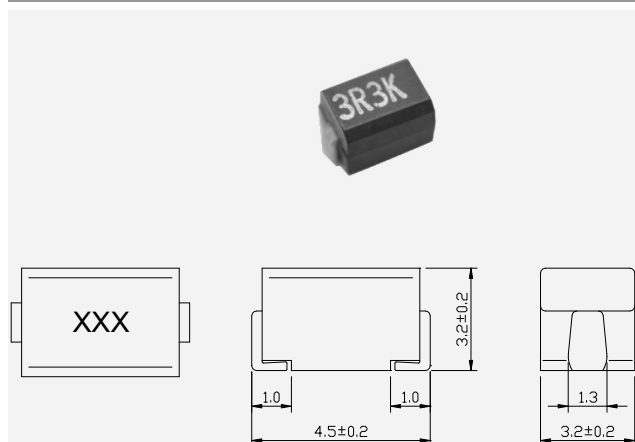
Delivery mode : Tape & reel packing

Packing unit : 500 pcs/reel

INDUCTANCE (μ H)	Tolerance	Q. MIN	TEST FREQ (MHz)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
1.0	$\pm 10\% = K$	10	7.96	1050	0.11	MW4532C-1R0K-LF
1.2		10	7.96	1000	0.12	MW4532C-1R2K-LF
1.5		10	7.96	950	0.15	MW4532C-1R5K-LF
1.8		10	7.96	900	0.16	MW4532C-1R8K-LF
2.2		10	7.96	850	0.18	MW4532C-2R2K-LF
2.7		10	7.96	800	0.20	MW4532C-2R7K-LF
3.3		10	7.96	750	0.22	MW4532C-3R3K-LF
3.9		10	7.96	700	0.24	MW4532C-3R9K-LF
4.7		10	7.96	650	0.27	MW4532C-4R7K-LF
5.6		10	7.96	650	0.30	MW4532C-5R6K-LF
6.8		10	7.96	600	0.35	MW4532C-6R8K-LF
8.2		10	7.96	600	0.40	MW4532C-8R2K-LF
10		10	2.52	550	0.50	MW4532C-100K-LF
12		10	2.52	500	0.60	MW4532C-120K-LF
15		10	2.52	450	0.70	MW4532C-150K-LF
18		10	2.52	400	0.80	MW4532C-180K-LF
22		10	2.52	370	0.90	MW4532C-220K-LF
27		10	2.52	330	1.2	MW4532C-270K-LF
33		10	2.52	300	1.4	MW4532C-330K-LF
39		10	2.52	280	1.6	MW4532C-390K-LF
47		10	2.52	260	1.9	MW4532C-470K-LF
56		10	2.52	240	2.2	MW4532C-560K-LF
68		10	2.52	220	2.6	MW4532C-680K-LF
82		10	2.52	200	3.5	MW4532C-820K-LF
100		20	0.796	180	4.0	MW4532C-101K-LF
120		20	0.796	160	4.5	MW4532C-121K-LF
150		20	0.796	140	6.5	MW4532C-151K-LF
180		20	0.796	120	7.5	MW4532C-181K-LF
220		20	0.796	120	9	MW4532C-221K-LF
270		20	0.796	100	11	MW4532C-271K-LF

Wire Wound Chip Inductors

MW4532C



■ Size : 4.5x3.2x3.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

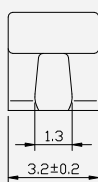
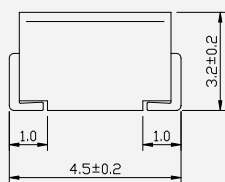
Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	Q. MIN	TEST FREQ (MHz)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
330	±10%=K	20	0.796	90	13	MW4532C-331K-LF
390		20	0.796	80	23	MW4532C-391K-LF
470		20	0.796	75	26	MW4532C-471K-LF
560		20	0.796	70	30	MW4532C-561K-LF
680		20	0.796	65	40	MW4532C-681K-LF
820		20	0.796	60	45	MW4532C-821K-LF
1000		20	0.796	55	50	MW4532C-102K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +105°C, Electrical specifications at 25°C.

Wire Wound Chip Inductors

MW4532



■ Size : 4.5x3.2x3.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

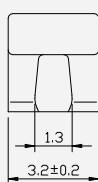
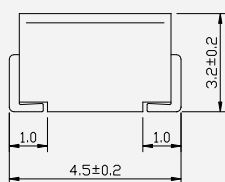
Delivery mode : Tape & reel packing

Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	Q. MIN	TEST FREQ (MHz)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
0.10	±20%=M	35	25.2	800	0.18	MW4532-R10M-LF
0.12		35	25.2	770	0.20	MW4532-R12M-LF
0.15		35	25.2	730	0.22	MW4532-R15M-LF
0.18		35	25.2	700	0.24	MW4532-R18M-LF
0.22		40	25.2	665	0.25	MW4532-R22M-LF
0.27		40	25.2	635	0.26	MW4532-R27M-LF
0.33		40	25.2	605	0.28	MW4532-R33M-LF
0.39		40	25.2	575	0.30	MW4532-R39M-LF
0.47		40	25.2	545	0.32	MW4532-R47M-LF
0.56		40	25.2	520	0.36	MW4532-R56M-LF
0.68		40	25.2	500	0.40	MW4532-R68M-LF
0.82		40	25.2	475	0.45	MW4532-R82M-LF
1.0	±10%=K	50	7.96	450	0.50	MW4532-1R0K-LF
1.2		50	7.96	430	0.55	MW4532-1R2K-LF
1.5		50	7.96	410	0.60	MW4532-1R5K-LF
1.8		50	7.96	390	0.65	MW4532-1R8K-LF
2.2		50	7.96	380	0.70	MW4532-2R2K-LF
2.7		50	7.96	370	0.75	MW4532-2R7K-LF
3.3		50	7.96	355	0.80	MW4532-3R3K-LF
3.9		50	7.96	330	0.90	MW4532-3R9K-LF
4.7		50	7.96	315	1.00	MW4532-4R7K-LF
5.6		50	7.96	300	1.10	MW4532-5R6K-LF
6.8		50	7.96	285	1.20	MW4532-6R8K-LF
8.2		50	7.96	270	1.40	MW4532-8R2K-LF
10		50	2.52	250	1.60	MW4532-100K-LF
12		50	2.52	225	2.00	MW4532-120K-LF
15		50	2.52	200	2.50	MW4532-150K-LF
18		50	2.52	190	2.80	MW4532-180K-LF
22		50	2.52	180	3.20	MW4532-220K-LF
27		50	2.52	170	3.60	MW4532-270K-LF

Wire Wound Chip Inductors

MW4532



■ Size : 4.5x3.2x3.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

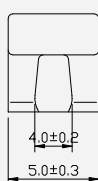
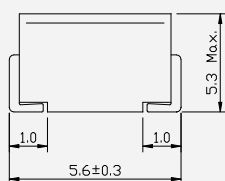
Packing unit : 500 pcs/reel

INDUCTANCE (μH)	Tolerance	Q. MIN	TEST FREQ (MHz)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
33	±10%=K	50	2.52	160	4.00	MW4532-330K-LF
39		50	2.52	150	4.50	MW4532-390K-LF
47		50	2.52	140	5.00	MW4532-470K-LF
56		50	2.52	135	5.50	MW4532-560K-LF
68		50	2.52	130	6.00	MW4532-680K-LF
82		50	2.52	120	7.00	MW4532-820K-LF
100		40	0.769	110	8.00	MW4532-101K-LF
120		40	0.769	110	8.00	MW4532-121K-LF
150		40	0.769	105	9.00	MW4532-151K-LF
180		40	0.769	102	9.50	MW4532-181K-LF
220		40	0.769	100	10.0	MW4532-221K-LF
270		40	0.769	92	12.0	MW4532-271K-LF
330		40	0.769	85	14.0	MW4532-331K-LF
390		40	0.769	80	18.0	MW4532-391K-LF
470		40	0.769	62	26.0	MW4532-471K-LF
560		30	0.769	50	30.0	MW4532-561K-LF
680		30	0.769	50	30.0	MW4532-681K-LF
820		30	0.769	30	35.0	MW4532-821K-LF
1000		20	0.252	30	40.0	MW4532-102K-LF

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +105°C, Electrical specifications at 25°C.

Wire Wound Chip Inductors

MW5650



■ Size : 5.6x5.0x5.3 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

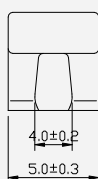
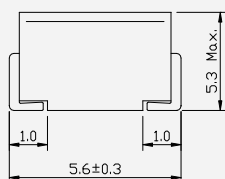
Delivery mode : Tape & reel packing

Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	Q. MIN	TEST FREQ (MHz)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
1.0	±10%=K	10	7.96	1800	0.030	MW5650-1R0K-LF
1.2		10	7.96	1700	0.035	MW5650-1R2K-LF
1.5		10	7.96	1600	0.04	MW5650-1R5K-LF
1.8		10	7.96	1400	0.05	MW5650-1R8K-LF
2.2		10	7.96	1300	0.06	MW5650-2R2K-LF
2.7		10	7.96	1200	0.07	MW5650-2R7K-LF
3.3		10	7.96	1120	0.08	MW5650-3R3K-LF
3.9		10	7.96	1050	0.09	MW5650-3R9K-LF
4.7		10	7.96	950	0.11	MW5650-4R7K-LF
5.6		10	7.96	880	0.13	MW5650-5R6K-LF
6.8		10	7.96	810	0.15	MW5650-6R8K-LF
8.2		10	7.96	750	0.18	MW5650-8R2K-LF
10		10	2.52	690	0.21	MW5650-100K-LF
12		10	2.52	630	0.25	MW5650-120K-LF
15		10	2.52	580	0.30	MW5650-150K-LF
18		10	2.52	530	0.36	MW5650-180K-LF
22		10	2.52	480	0.43	MW5650-220K-LF
27		10	2.52	440	0.52	MW5650-270K-LF
33		10	2.52	400	0.62	MW5650-330K-LF
39		10	2.52	370	0.72	MW5650-390K-LF
47		10	2.52	340	0.85	MW5650-470K-LF
56		10	2.52	310	1.0	MW5650-560K-LF
68		10	2.52	290	1.2	MW5650-680K-LF
82		10	2.52	270	1.4	MW5650-820K-LF
100		20	0.796	250	1.6	MW5650-101K-LF
120		20	0.796	230	1.9	MW5650-121K-LF
150		20	0.796	210	2.2	MW5650-151K-LF
180		20	0.796	190	2.8	MW5650-181K-LF
220		20	0.796	170	3.4	MW5650-221K-LF
270		20	0.796	155	4.2	MW5650-271K-LF

Wire Wound Chip Inductors

MW5650



■ Size : 5.6x5.0x5.3 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

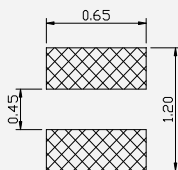
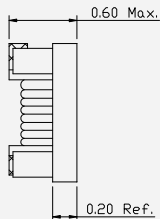
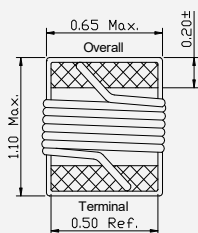
Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	Q. MIN	TEST FREQ (MHz)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
330	±10%=K	20	0.796	140	4.9	MW5650-331K-LF
390		20	0.796	130	5.8	MW5650-391K-LF
470		20	0.796	120	7.0	MW5650-471K-LF
560		20	0.796	110	8.5	MW5650-561K-LF
680		20	0.796	100	10	MW5650-681K-LF
820		20	0.796	90	13	MW5650-821K-LF
1000		20	0.252	85	15	MW5650-102K-LF
1200	±5%=J	20	0.252	75	17	MW5650-122J-LF
1500		20	0.252	70	20	MW5650-152J-LF
1800		20	0.252	60	30	MW5650-182J-LF
2200		20	0.252	55	35	MW5650-222J-LF
2700		20	0.252	45	55	MW5650-272J-LF
3300		20	0.252	40	60	MW5650-332J-LF
3900		20	0.252	38	70	MW5650-392J-LF
4700		20	0.252	36	78	MW5650-472J-LF
5600		20	0.252	33	85	MW5650-562J-LF
6800		20	0.252	30	110	MW5650-682J-LF
8200		20	0.252	28	125	MW5650-822J-LF
10000		15	0.0796	25	150	MW5650-103J-LF

- Rated DC current : Base on temperature rise not to exceed at 20°C and inductance is 90% more than its nominal value.
- Operating temperature : -40°C to +105°C, Electrical specifications at 25°C.

Wire Wound Chip Inductors

MS1005HP



■ Size : 1.10x0.65x0.60 (mm)

■ Core material : Ceramic

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

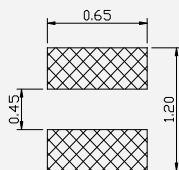
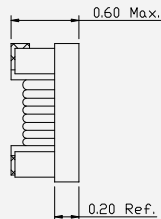
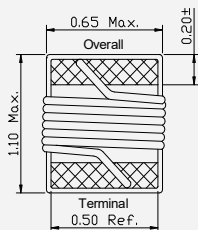
Delivery mode : Tape & reel packing

Packing unit : 10000 pcs/reel

INDUCTANCE (nH)	Tolerance	f _{LQ} MHz	Q Min.	SRF (MHz) (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	Ordering code
2.0	±0.2nH=C	250	22	8500	0.038	2100	MS1005HP-2N0□-LF
2.2	±0.3nH=S	250	22	8500	0.038	2100	MS1005HP-2N2□-LF
2.7		250	22	8500	0.056	1500	MS1005HP-2N7□-LF
3.3	±0.2nH=C	250	23	8500	0.045	1700	MS1005HP-3N3□-LF
3.6	±5%=J	250	23	8500	0.045	1700	MS1005HP-3N6□-LF
3.9	±10%=K	250	23	8500	0.045	1700	MS1005HP-3N9□-LF
4.3		250	22	7150	0.055	1500	MS1005HP-4N3□-LF
4.7		250	20	6850	0.075	1400	MS1005HP-4N7□-LF
5.1		250	23	6800	0.085	1300	MS1005HP-5N1□-LF
5.6		250	23	6500	0.055	1500	MS1005HP-5N6□-LF
6.2		250	25	5800	0.065	1400	MS1005HP-6N2□-LF
6.8		250	25	5800	0.065	1400	MS1005HP-6N8□-LF
7.5		250	25	5400	0.080	1400	MS1005HP-7N5□-LF
8.2		250	25	5400	0.085	1300	MS1005HP-8N2□-LF
8.7		250	25	5000	0.085	1300	MS1005HP-8N7□-LF
9.0		250	25	5000	0.085	1300	MS1005HP-9N0□-LF
9.5		250	25	4700	0.095	1200	MS1005HP-9N5□-LF
10	±2%=G	250	25	4700	0.085	1300	MS1005HP-10N□-LF
11	±5%=J	250	25	4700	0.090	1300	MS1005HP-11N□-LF
12	±10%=K	250	26	4400	0.090	1100	MS1005HP-12N□-LF
13		250	25	4200	0.140	900	MS1005HP-13N□-LF
15		250	26	3900	0.130	1000	MS1005HP-15N□-LF
16		250	26	3700	0.130	850	MS1005HP-16N□-LF
18		250	26	3550	0.140	850	MS1005HP-18N□-LF
19		250	26	3500	0.145	850	MS1005HP-19N□-LF
20		250	26	3500	0.155	800	MS1005HP-20N□-LF
21		250	26	3300	0.160	800	MS1005HP-21N□-LF
22		250	26	3300	0.160	800	MS1005HP-22N□-LF
23		250	26	3300	0.190	700	MS1005HP-23N□-LF
24		250	26	3150	0.180	650	MS1005HP-24N□-LF

Wire Wound Chip Inductors

MS1005HP



■ Size : 1.10x0.65x0.60 (mm)

■ Core material : Ceramic

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

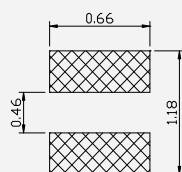
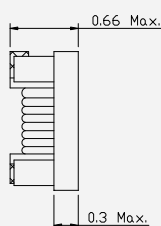
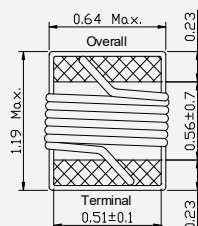
Packing unit : 10000 pcs/reel

INDUCTANCE (nH)	Tolerance	f _{LQ} MHz	Q Min.	SRF (MHz) (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	Ordering code
25	±2%=G ±5%=J ±10%=K	250	25	3150	0.180	650	MS1005HP-25N□-LF
26		250	25	3150	0.170	700	MS1005HP-26N□-LF
27		250	26	3200	0.220	600	MS1005HP-27N□-LF
30		250	25	2900	0.275	500	MS1005HP-30N□-LF
33		250	25	2800	0.320	490	MS1005HP-33N□-LF
36		250	26	2800	0.360	480	MS1005HP-36N□-LF
37		250	25	2700	0.430	470	MS1005HP-37N□-LF
39		250	25	2600	0.430	450	MS1005HP-39N□-LF
40		250	26	2600	0.430	450	MS1005HP-40N□-LF
43		250	26	2500	0.500	450	MS1005HP-43N□-LF
47	±5%=J ±10%=K	200	22	2400	0.550	420	MS1005HP-47N□-LF
51		200	22	2300	0.750	360	MS1005HP-51N□-LF
56		200	22	2070	0.850	330	MS1005HP-56N□-LF
68		200	22	1840	0.950	320	MS1005HP-68N□-LF

- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Wire Wound Chip Inductors

MS1005



■ Size : 1.19x0.64x0.66 (mm)

■ Core material : Ceramic

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

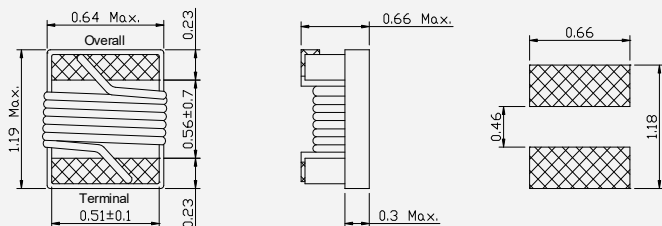
Delivery mode : Tape & reel packing

Packing unit : 10000 pcs/reel

INDUCTANCE (nH)	Tolerance	FL MHz	Q Min. @900MHz	SRF (GHz)	DCR (Ω) (Max.)	IDC (mA) (Max.)	Ordering code
1.0	±0.2nH=C ±0.3nH=S	250	16	12.7	0.045	1360	MS1005-1N0□-LF
1.9		250	16	11.3	0.070	1040	MS1005-1N9□-LF
2.0		250	16	11.1	0.070	1040	MS1005-2N0□-LF
2.2		250	19	10.8	0.070	960	MS1005-2N2□-LF
2.4		250	15	10.5	0.068	790	MS1005-2N4□-LF
2.7		250	16	10.4	0.120	640	MS1005-2N7□-LF
3.3		250	19	7.00	0.066	840	MS1005-3N3□-LF
3.6		250	19	6.80	0.066	840	MS1005-3N6□-LF
3.9		250	19	5.80	0.066	840	MS1005-3N9□-LF
4.3	±2%=G ±5%=J ±10%=K	250	18	6.00	0.091	700	MS1005-4N3□-LF
4.7		250	15	4.70	0.130	640	MS1005-4N7□-LF
5.1		250	20	4.80	0.083	800	MS1005-5N1□-LF
5.6		250	20	4.80	0.083	760	MS1005-5N6□-LF
6.2		250	20	4.80	0.083	760	MS1005-6N2□-LF
6.8		250	20	4.80	0.083	680	MS1005-6N8□-LF
7.5		250	22	4.80	0.100	680	MS1005-7N5□-LF
8.2		250	22	4.40	0.100	680	MS1005-8N2□-LF
8.7		250	18	4.10	0.200	480	MS1005-8N7□-LF
9.0		250	22	4.16	0.100	680	MS1005-9N0□-LF
9.5		250	18	4.00	0.200	480	MS1005-9N5□-LF
10		250	21	3.90	0.200	480	MS1005-10N□-LF
11		250	24	3.68	0.120	640	MS1005-11N□-LF
12		250	24	3.60	0.168	640	MS1005-12N□-LF
15		250	24	3.30	0.204	560	MS1005-15N□-LF
18		250	24	3.10	0.276	420	MS1005-18N□-LF
22		250	24	2.80	0.360	400	MS1005-22N□-LF
27		250	24	2.50	0.360	400	MS1005-27N□-LF
33		250	24	2.40	0.450	400	MS1005-33N□-LF
39		250	25	2.10	0.660	200	MS1005-39N□-LF
43		250	25	2.00	0.744	175	MS1005-43N□-LF

Wire Wound Chip Inductors

MS1005



■ Size : 1.19x0.64x0.66 (mm)

■ Core material : Ceramic

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

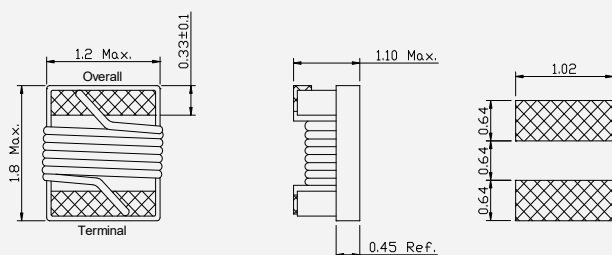
Packing unit : 10000 pcs/reel

INDUCTANCE (nH)	Tolerance	F _L MHz	Q Min. @900MHz	SRF (GHz)	DCR (Ω) (Max.)	IDC (mA) (Max.)	Ordering code
47	±2%=G	250	20	2.10	0.792	175	MS1005-47N□-LF
56	±5%=J	250	22	1.80	0.780	175	MS1005-56N□-LF
68	±10%=K	250	22	1.60	0.912	150	MS1005-68N□-LF
82		250	22	1.26	1.550	50	MS1005-82N□-LF

- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Wire Wound Chip Inductors

MS1608LC



■ Size : 1.8x1.2x1.1 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

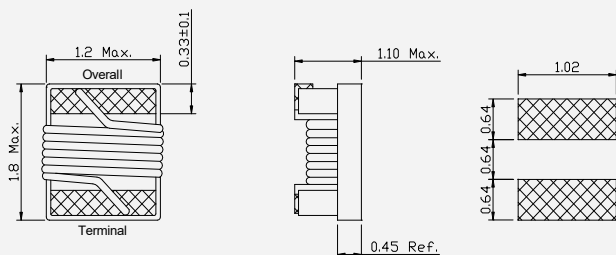
Packing unit : 4000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	Q Min.	SRF (MHz) (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	Ordering code
0.10	$\pm 5\% = J$ $\pm 10\% = K$	7.9	10.0@7.9MHz	1150	0.13	1400	MS1608LC-R10□-LF
0.12		7.9	10.0@7.9MHz	1100	0.15	1400	MS1608LC-R12□-LF
0.15		7.9	10.0@7.9MHz	1050	0.15	1300	MS1608LC-R15□-LF
0.18		7.9	10.0@7.9MHz	950	0.15	1300	MS1608LC-R18□-LF
0.22		7.9	10.0@7.9MHz	800	0.15	950	MS1608LC-R22□-LF
0.27		7.9	10.0@7.9MHz	775	0.20	710	MS1608LC-R27□-LF
0.33		7.9	10.0@7.9MHz	725	0.35	620	MS1608LC-R33□-LF
0.39		7.9	10.0@7.9MHz	620	0.39	600	MS1608LC-R39□-LF
0.47		7.9	10.0@7.9MHz	540	0.43	570	MS1608LC-R47□-LF
0.56		7.9	10.0@7.9MHz	525	0.47	550	MS1608LC-R56□-LF
0.68		7.9	10.0@7.9MHz	460	0.52	470	MS1608LC-R68□-LF
0.82		7.9	10.0@7.9MHz	410	0.69	400	MS1608LC-R82□-LF
1.0		7.9	10.0@7.9MHz	190	0.81	400	MS1608LC-1R0□-LF
1.2		7.9	10.0@7.9MHz	160	0.87	370	MS1608LC-1R2□-LF
1.5		7.9	10.0@7.9MHz	100	0.96	350	MS1608LC-1R5□-LF
1.8		7.9	10.0@7.9MHz	80	1.10	350	MS1608LC-1R8□-LF
2.2		7.9	10.0@7.9MHz	68	1.20	320	MS1608LC-2R2□-LF
3.3		7.9	10.0@7.9MHz	42	1.50	280	MS1608LC-3R3□-LF
3.9		7.9	10.0@7.9MHz	40	1.50	280	MS1608LC-3R9□-LF
4.7		7.9	10.0@7.9MHz	34	2.10	260	MS1608LC-4R7□-LF
5.6		7.9	10.0@7.9MHz	32	2.60	240	MS1608LC-5R6□-LF
6.8		7.9	10.0@7.9MHz	31	3.10	200	MS1608LC-6R8□-LF
8.2		7.9	10.0@7.9MHz	26	4.40	190	MS1608LC-8R2□-LF
10		2.5	10.0@2.5MHz	25	4.80	180	MS1608LC-100□-LF

- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Wire Wound Chip Inductors

MS1608LS



■ Size : 1.8x1.2x1.1 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

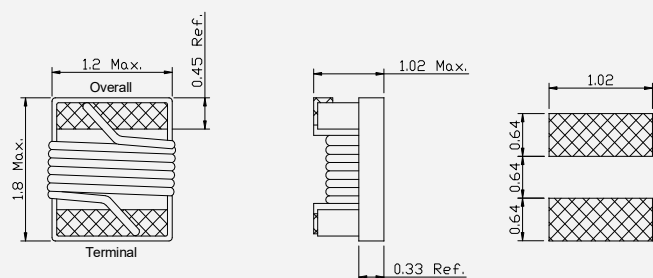
Packing unit : 4000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	Q Min.	SRF (MHz) (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	Ordering code
1.0	$\pm 10\% = K$ $\pm 20\% = M$	7.96	16.0@7.96MHz	390	0.81	860	MS1608LS-1R0□-LF
1.5		7.96	16.0@7.96MHz	160	0.96	720	MS1608LS-1R5□-LF
1.8		7.96	16.0@7.96MHz	121	1.10	640	MS1608LS-1R8□-LF
2.2		7.96	16.0@7.96MHz	103	1.20	600	MS1608LS-2R2□-LF
2.7		7.96	16.0@7.96MHz	72	1.38	540	MS1608LS-2R7□-LF
3.3		7.96	16.0@7.96MHz	66	1.50	500	MS1608LS-3R3□-LF
3.9		7.96	16.0@7.96MHz	61	1.50	460	MS1608LS-3R9□-LF
4.7		7.96	16.0@7.96MHz	51	2.10	400	MS1608LS-4R7□-LF
5.6		7.96	16.0@7.96MHz	47	2.37	380	MS1608LS-5R6□-LF
6.8		7.96	16.0@7.96MHz	43	3.10	340	MS1608LS-6R8□-LF
8.2		7.96	16.0@7.96MHz	40	3.50	300	MS1608LS-8R2□-LF
10		2.52	14.0@2.52MHz	36	4.46	280	MS1608LS-100□-LF
12		2.52	14.0@2.52MHz	32	4.46	260	MS1608LS-120□-LF
15		2.52	14.0@2.52MHz	29	4.46	240	MS1608LS-150□-LF
18		2.52	14.0@2.52MHz	28	4.46	220	MS1608LS-180□-LF
22		2.52	14.0@2.52MHz	24	4.46	200	MS1608LS-220□-LF

- IDC For inductance drop 10% from it's value without current.
- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Wire Wound Chip Inductors

MS1608



■ Size : 1.8x1.2x1.02 (mm)

■ Core material : Ceramic

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

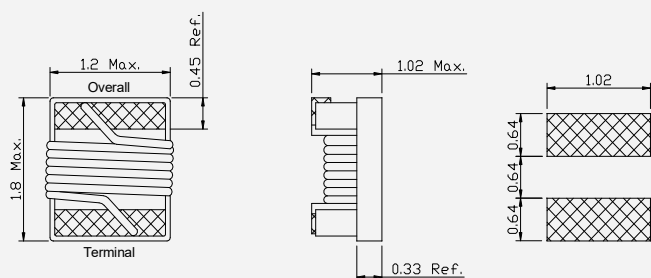
Delivery mode : Tape & reel packing

Packing unit : 4000 pcs/reel

INDUCTANCE (nH)	Tolerance	f _{LQ} MHz	Q Min.	SRF (MHz) (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	Ordering code
1.6	±5%=J ±10%=K	250	24	12500	0.030	700	MS1608-1N6□-LF
1.8		250	16	12500	0.045	700	MS1608-1N8□-LF
2.2		250	13	12500	0.250	100	MS1608-2N2□-LF
3.3		250	35	5900	0.045	700	MS1608-3N3□-LF
3.6		250	22	5900	0.063	700	MS1608-3N6□-LF
3.9		250	22	6900	0.080	700	MS1608-3N9□-LF
4.3		250	22	5900	0.063	700	MS1608-4N3□-LF
4.7		250	20	5800	0.116	700	MS1608-4N7□-LF
5.1		250	20	5700	0.140	700	MS1608-5N1□-LF
5.6		250	26	4760	0.075	700	MS1608-5N6□-LF
6.8		250	27	5800	0.110	700	MS1608-6N8□-LF
7.5		250	28	4800	0.106	700	MS1608-7N5□-LF
8.2		250	30	4200	0.115	700	MS1608-8N2□-LF
8.7		250	28	4600	0.109	700	MS1608-8N7□-LF
9.5		250	28	5400	0.135	700	MS1608-9N5□-LF
10	±2%=G ±5%=J ±10%=K	250	31	4800	0.130	700	MS1608-10N□-LF
11		250	30	4000	0.086	700	MS1608-11N□-LF
12		250	35	4000	0.130	700	MS1608-12N□-LF
15		250	35	4000	0.170	700	MS1608-15N□-LF
16		250	34	3300	0.104	700	MS1608-16N□-LF
18		250	35	3100	0.170	700	MS1608-18N□-LF
22		250	38	3000	0.190	700	MS1608-22N□-LF
23		250	38	2850	0.190	700	MS1608-23N□-LF
24		250	36	2650	0.135	700	MS1608-24N□-LF
27		250	40	2800	0.220	600	MS1608-27N□-LF
30		250	37	2250	0.220	600	MS1608-30N□-LF
33		250	40	2300	0.220	600	MS1608-33N□-LF
36		250	36	2080	0.25	600	MS1608-36N□-LF
39		250	40	2200	0.25	600	MS1608-39N□-LF
43		200	38	2000	0.28	600	MS1608-43N□-LF

Wire Wound Chip Inductors

MS1608



■ Size : 1.8x1.2x1.02 (mm)

■ Core material : Ceramic

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

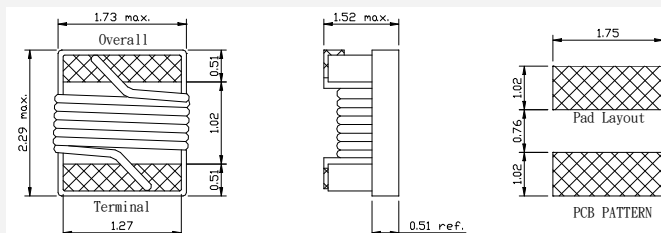
Packing unit : 4000 pcs/reel

INDUCTANCE (nH)	Tolerance	f _{LQ} MHz	Q Min.	SRF (MHz) (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	Ordering code
47	±2%=G ±5%=J ±10%=K	200	38	2000	0.28	600	MS1608-47N□-LF
51		200	35	1900	0.27	600	MS1608-51N□-LF
56		200	38	1900	0.31	600	MS1608-56N□-LF
68		200	37	1700	0.34	600	MS1608-68N□-LF
72		150	34	1700	0.49	400	MS1608-72N□-LF
82		150	34	1700	0.54	400	MS1608-82N□-LF
100		150	34	1400	0.58	400	MS1608-R10□-LF
110		150	32	1350	0.61	300	MS1608-R11□-LF
120		150	32	1300	0.65	300	MS1608-R12□-LF
150		150	28	990	0.92	280	MS1608-R15□-LF
180		100	25	990	1.25	240	MS1608-R18□-LF
200		100	25	900	1.98	200	MS1608-R20□-LF
210		100	27	895	2.06	200	MS1608-R21□-LF
220		100	25	900	2.10	200	MS1608-R22□-LF
250		100	25	822	3.55	120	MS1608-R25□-LF
270		100	24	900	2.30	170	MS1608-R27□-LF
330		100	25	900	3.89	100	MS1608-R33□-LF
390		100	25	900	4.35	100	MS1608-R39□-LF

- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Wire Wound Chip Inductors

MS2012HQ



■ Size : 2.29x1.73x1.52 (mm)

■ Core material : Ceramic

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

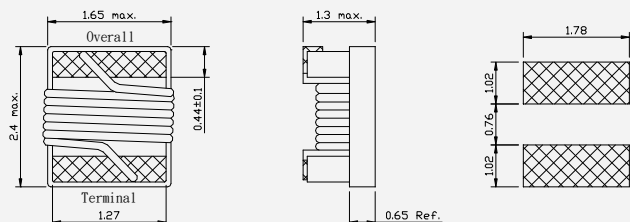
Packing unit : 2000 pcs/reel

INDUCTANCE (nH)	Tolerance	F _L MHz	Q Min.	SRF (GHz) (Min.)	DCR (Ω) (Max.)	IDC (A) (Max.)	Ordering code
2.5	±5%=J ±10%=K	250	80@1500MHz	10.30	0.020	1.60	MS2012HQ-2N5□-LF
5.6		250	98@1500MHz	6.10	0.035	1.60	MS2012HQ-5N6□-LF
6.2		250	88@1000MHz	4.75	0.035	1.60	MS2012HQ-6N2□-LF
12	±2%=G ±5%=J ±10%=K	250	80@1000MHz	3.00	0.045	1.60	MS2012HQ-12N□-LF
16		250	72@500MHz	2.95	0.060	1.50	MS2012HQ-16N□-LF
18		250	75@500MHz	2.55	0.060	1.40	MS2012HQ-18N□-LF
20		250	70@500MHz	2.05	0.065	1.40	MS2012HQ-20N□-LF
27		250	75@500MHz	2.00	0.070	1.30	MS2012HQ-27N□-LF
30		250	65@500MHz	1.95	0.095	1.20	MS2012HQ-30N□-LF
39		250	65@500MHz	1.60	0.110	1.10	MS2012HQ-39N□-LF
48		200	65@500MHz	1.40	0.095	1.20	MS2012HQ-48N□-LF
51		200	65@500MHz	1.40	0.120	1.00	MS2012HQ-51N□-LF

- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Wire Wound Chip Inductors

MS2012LC



■ Size : 2.4x1.65x1.3 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

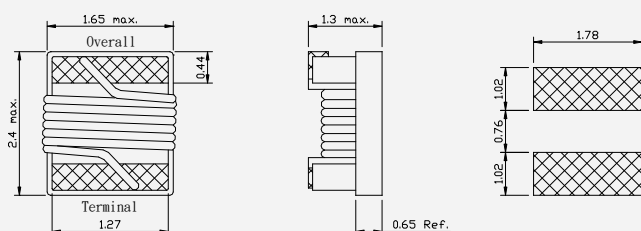
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	F _L MHz	Q Min.	SRF (MHz) (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	Ordering code
0.47	±10%=K ±20%=M	7.9	10@7.96MHz	720	0.20	750	MS2012LC-R47□-LF
0.56		7.9	10@7.96MHz	665	0.21	730	MS2012LC-R56□-LF
0.68		7.9	10@7.96MHz	565	0.28	670	MS2012LC-R68□-LF
0.82		7.9	10@7.96MHz	545	0.31	650	MS2012LC-R82□-LF
1.0		7.9	10@7.96MHz	525	0.34	615	MS2012LC-1R0□-LF
1.2		7.9	10@7.96MHz	473	0.39	550	MS2012LC-1R2□-LF
1.5		7.9	10@7.96MHz	300	0.45	520	MS2012LC-1R5□-LF
1.8		7.9	10@7.96MHz	230	0.48	500	MS2012LC-1R8□-LF
2.2		7.9	10@7.96MHz	215	0.67	420	MS2012LC-2R2□-LF
2.7		7.9	10@7.96MHz	185	0.74	410	MS2012LC-2R7□-LF
3.3		7.9	10@7.96MHz	95	0.81	385	MS2012LC-3R3□-LF
3.9		7.9	10@7.96MHz	57	0.88	372	MS2012LC-3R9□-LF
4.7		7.9	10@7.96MHz	51	0.99	345	MS2012LC-4R7□-LF
5.6		7.9	10@7.96MHz	44	1.06	335	MS2012LC-5R6□-LF
6.8		7.9	10@7.96MHz	39	1.21	315	MS2012LC-6R8□-LF
8.2		7.9	10@7.96MHz	33	1.33	295	MS2012LC-8R2□-LF
10		2.5	10@2.52MHz	30	1.79	260	MS2012LC-100□-LF
12		2.5	10@2.52MHz	27	1.98	250	MS2012LC-120□-LF
15		2.5	10@2.52MHz	22	2.68	215	MS2012LC-150□-LF
18		2.5	10@2.52MHz	20	3.12	195	MS2012LC-180□-LF
22		2.5	10@2.52MHz	18	3.48	180	MS2012LC-220□-LF
27		2.5	10@2.52MHz	16	3.84	170	MS2012LC-270□-LF
33		2.5	10@2.52MHz	15	4.34	145	MS2012LC-330□-LF
47		2.5	10@2.52MHz	10	5.14	100	MS2012LC-470□-LF

- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Wire Wound Chip Inductors

MS2012LS



■ Size : 2.4x1.65x1.3 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

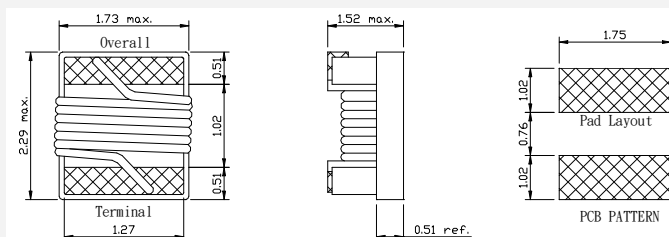
Packing unit : 2000 pcs/reel

INDUCTANCE (μ H)	Tolerance	F _L MHz	Q Min.	SRF (MHz) (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	Ordering code
0.47	±10%=K ±20%=M	25	30@100MHz	570	0.54	420	MS2012LS-R47□-LF
0.56		25	30@100MHz	560	0.64	400	MS2012LS-R56□-LF
0.68		25	30@100MHz	480	0.68	350	MS2012LS-R68□-LF
0.82		25	30@100MHz	449	0.77	325	MS2012LS-R82□-LF
1.0		7.9	30@100MHz	394	0.86	300	MS2012LS-1R0□-LF
1.2		7.9	25@100MHz	297	0.97	260	MS2012LS-1R2□-LF
1.5		7.9	25@25.2MHz	206	1.08	250	MS2012LS-1R5□-LF
1.8		7.9	25@25.2MHz	177	1.18	230	MS2012LS-1R8□-LF
2.2		7.9	20@25.2MHz	141	1.32	220	MS2012LS-2R2□-LF
2.7		7.9	20@25.2MHz	128	1.42	210	MS2012LS-2R7□-LF
3.3		7.9	15@25.2MHz	110	1.73	200	MS2012LS-3R3□-LF
3.9		7.9	15@25.2MHz	103	1.72	195	MS2012LS-3R9□-LF
4.7		7.9	15@25.2MHz	98	1.87	185	MS2012LS-4R7□-LF
5.6		7.9	15@7.96MHz	96	2.18	180	MS2012LS-5R6□-LF
6.8		7.9	15@7.96MHz	82	2.90	175	MS2012LS-6R8□-LF
8.2		7.9	15@7.96MHz	64	3.31	140	MS2012LS-8R2□-LF
10		2.5	15@7.96MHz	56	3.72	115	MS2012LS-100□-LF

- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Wire Wound Chip Inductors

MS2012



■ Size : 2.29x1.73x1.52 (mm)

■ Core material : Ceramic

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

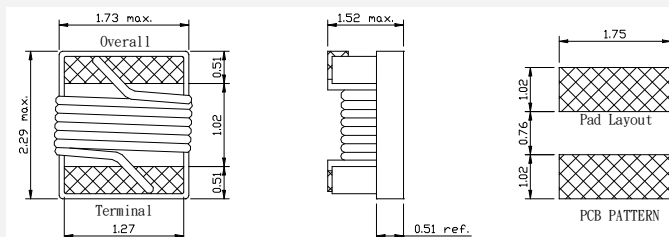
Delivery mode : Tape & reel packing

Packing unit : 2000 pcs/reel

INDUCTANCE (nH)	Tolerance	F _L MHz	Q Min.	SRF (MHz) (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	Ordering code
2.8	±5%=J ±10%=K	250	80@1500MHz	12000	0.06	800	MS2012-2N8□-LF
3.0		250	65@1500MHz	12200	0.06	800	MS2012-3N0□-LF
3.3		250	50@1500MHz	12200	0.08	600	MS2012-3N3□-LF
5.6		250	65@1000MHz	5900	0.08	600	MS2012-5N6□-LF
6.8		250	50@1000MHz	5600	0.11	600	MS2012-6N8□-LF
7.5		250	50@1000MHz	5800	0.14	600	MS2012-7N5□-LF
8.2		250	50@1000MHz	4400	0.12	600	MS2012-8N2□-LF
10	±2%=G ±5%=J ±10%=K	250	60@500MHz	4300	0.10	600	MS2012-10N□-LF
12		250	50@500MHz	4000	0.15	600	MS2012-12N□-LF
15		250	50@500MHz	3200	0.17	600	MS2012-15N□-LF
18		250	50@500MHz	3100	0.20	600	MS2012-18N□-LF
22		250	55@500MHz	2600	0.22	500	MS2012-22N□-LF
24		250	50@500MHz	2400	0.22	500	MS2012-24N□-LF
27		250	55@500MHz	2580	0.25	500	MS2012-27N□-LF
33		250	60@500MHz	2150	0.27	500	MS2012-33N□-LF
36		250	55@500MHz	1980	0.27	500	MS2012-36N□-LF
39		250	60@500MHz	2000	0.29	500	MS2012-39N□-LF
43		250	60@500MHz	1800	0.34	500	MS2012-43N□-LF
47		200	60@500MHz	1700	0.31	500	MS2012-47N□-LF
56		200	60@500MHz	1600	0.34	500	MS2012-56N□-LF
68		200	60@500MHz	1500	0.38	500	MS2012-68N□-LF
82		150	65@500MHz	1330	0.42	400	MS2012-82N□-LF
91		150	65@500MHz	1330	0.48	400	MS2012-91N□-LF
100		150	65@250MHz	1250	0.46	400	MS2012-R10□-LF
110		150	50@250MHz	1100	0.48	400	MS2012-R11□-LF
120		150	50@250MHz	1100	0.51	400	MS2012-R12□-LF
150		100	50@250MHz	920	0.56	400	MS2012-R15□-LF
180		100	50@250MHz	920	0.64	400	MS2012-R18□-LF
220		100	50@250MHz	820	0.70	400	MS2012-R22□-LF
240		100	44@250MHz	770	1.00	350	MS2012-R24□-LF

Wire Wound Chip Inductors

MS2012



■ Size : 2.29x1.73x1.52 (mm)

■ Core material : Ceramic

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

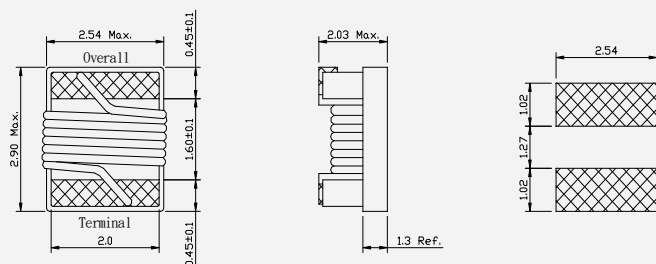
Packing unit : 2000 pcs/reel

INDUCTANCE (nH)	Tolerance	F _L MHz	Q Min.	SRF (MHz) (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	Ordering code
270	±2%=G ±5%=J ±10%=K	100	48@250MHz	730	1.00	350	MS2012-R27□-LF
330		100	48@250MHz	650	1.40	310	MS2012-R33□-LF
390		100	48@250MHz	600	1.50	290	MS2012-R39□-LF
470		50	33@50MHz	375	1.76	250	MS2012-R47□-LF
560		25	23@50MHz	330	1.90	230	MS2012-R56□-LF
680		25	23@50MHz	310	2.20	190	MS2012-R68□-LF
820		25	23@50MHz	310	2.35	180	MS2012-R82□-LF
1000		25	15@50MHz	100	2.60	170	MS2012-1R0□-LF

- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Wire Wound Chip Inductors

MS2520HQ



■ Size : 2.90x2.54x2.03 (mm)

■ Core material : Ceramic

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

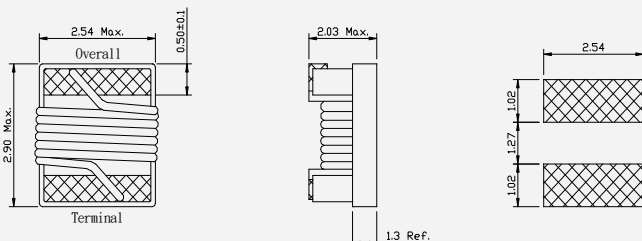
Packing unit : 2000 pcs/reel

INDUCTANCE (nH)	Tolerance	f _L MHz	Q Min.	SRF (GHz) (Min.)	DCR (Ω) (Max.)	IDC (A) (Max.)	Ordering code
4.1	±2%=G	50	75@1500MHz	6.20	0.05	1.60	MS2520HQ-4N1□-LF
7.8	±5%=J	50	55@500MHz	3.80	0.05	1.60	MS2520HQ-7N8□-LF
10	±10%=K	50	60@500MHz	3.60	0.06	1.60	MS2520HQ-10N□-LF
12		50	70@500MHz	2.80	0.06	1.50	MS2520HQ-12N□-LF
18		50	62@350MHz	2.70	0.07	1.40	MS2520HQ-18N□-LF
22		50	62@350MHz	2.05	0.07	1.40	MS2520HQ-22N□-LF
33		50	75@350MHz	1.70	0.09	1.30	MS2520HQ-33N□-LF
39		50	75@350MHz	1.30	0.09	1.30	MS2520HQ-39N□-LF
47		50	75@350MHz	1.45	0.12	1.20	MS2520HQ-47N□-LF
56		50	75@350MHz	1.23	0.12	1.20	MS2520HQ-56N□-LF
68		50	80@350MHz	1.15	0.13	1.10	MS2520HQ-68N□-LF
82		50	80@350MHz	1.06	0.16	1.10	MS2520HQ-82N□-LF
100		50	62@350MHz	0.82	0.16	1.00	MS2520HQ-R10□-LF

- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Wire Wound Chip Inductors

MS2520LC



■ Size : 2.90x2.54x2.03 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

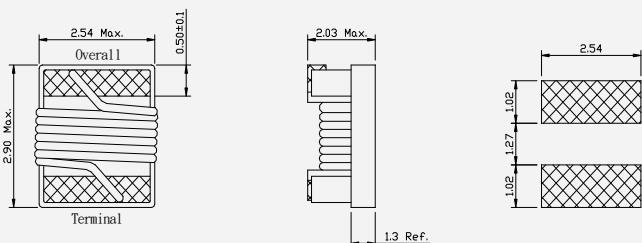
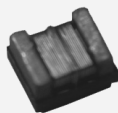
Packing unit : 2000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	Q Min.	SRF (MHz) (Min.)	DCR (Ω) (Max.)	I _{rms} (A) (Max.)	Ordering code
1.0	±5%=J ±10%=K	7.9	12@7.9MHz	345	0.13	1000	MS2520LC-1R0□-LF
1.5		7.9	12@7.9MHz	100	0.17	850	MS2520LC-1R5□-LF
2.2		7.9	12@7.9MHz	78	0.21	775	MS2520LC-2R2□-LF
3.3		7.9	12@7.9MHz	48	0.26	715	MS2520LC-3R3□-LF
4.7		7.9	12@7.9MHz	46	0.52	505	MS2520LC-4R7□-LF
6.8		7.9	12@7.9MHz	33	0.72	432	MS2520LC-6R8□-LF
8.2		7.9	12@7.9MHz	30	0.76	410	MS2520LC-8R2□-LF
10		2.5	12@2.5MHz	28	0.86	392	MS2520LC-100□-LF
15		2.5	12@2.5MHz	21	1.09	342	MS2520LC-150□-LF
22		2.5	12@2.5MHz	18	1.96	260	MS2520LC-220□-LF
33		2.5	12@2.5MHz	15	2.47	236	MS2520LC-330□-LF

- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Wire Wound Chip Inductors

MS2520LS



■ Size : 2.90x2.54x2.03 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

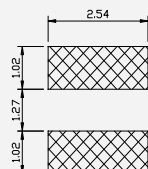
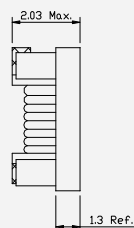
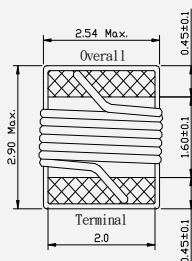
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Q Min.	SRF (MHz) (Min.)	DCR (Ω) (Max.)	I _{rms} (A) (Max.)	Ordering code
1.0	±5%=J ±10%=K	7.9	30@7.9MHz	285	0.80	400	MS2520LS-1R0□-LF
1.2		7.9	25@7.9MHz	265	0.87	300	MS2520LS-1R2□-LF
1.5		7.9	25@7.9MHz	235	0.98	260	MS2520LS-1R5□-LF
1.8		7.9	25@7.9MHz	226	1.10	245	MS2520LS-1R8□-LF
2.2		7.9	25@7.9MHz	198	1.22	230	MS2520LS-2R2□-LF
2.7		7.9	25@7.9MHz	180	1.33	220	MS2520LS-2R7□-LF
3.3		7.9	25@7.9MHz	143	1.46	210	MS2520LS-3R3□-LF
3.9		7.9	25@7.9MHz	136	1.63	200	MS2520LS-3R9□-LF
4.7		7.9	25@7.9MHz	105	1.76	195	MS2520LS-4R7□-LF
5.6		7.9	25@7.9MHz	88	1.97	185	MS2520LS-5R6□-LF
6.8		7.9	25@7.9MHz	56	1.79	190	MS2520LS-6R8□-LF
8.2		7.9	25@7.9MHz	48	2.03	180	MS2520LS-8R2□-LF
10		2.5	25@2.5MHz	44	2.92	165	MS2520LS-100□-LF
12		2.5	25@2.5MHz	42	3.11	160	MS2520LS-120□-LF
15		2.5	25@2.5MHz	37	3.58	155	MS2520LS-150□-LF
18		2.5	20@2.5MHz	32	3.89	150	MS2520LS-180□-LF
22		2.5	20@2.5MHz	28	4.38	140	MS2520LS-220□-LF
27		2.5	20@2.5MHz	24	4.92	130	MS2520LS-270□-LF
33		2.5	20@2.5MHz	22	5.50	125	MS2520LS-330□-LF
39		2.5	20@2.5MHz	20	7.51	110	MS2520LS-390□-LF
47		2.5	20@2.5MHz	18	8.34	100	MS2520LS-470□-LF
56		2.5	20@2.5MHz	16	9.18	95	MS2520LS-560□-LF
68		2.5	20@2.5MHz	14	9.61	90	MS2520LS-680□-LF
82		2.5	20@2.5MHz	12	11.54	80	MS2520LS-820□-LF

- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Wire Wound Chip Inductors

MS2520



■ Size : 2.90x2.54x2.03 (mm)

■ Core material : Ceramic

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

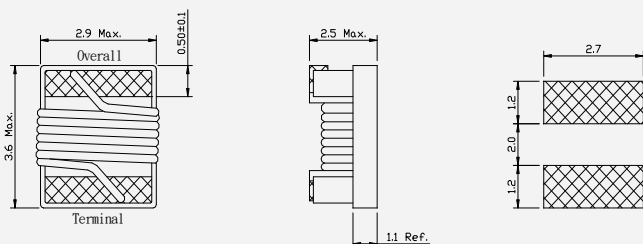
Packing unit : 2000 pcs/reel

INDUCTANCE (nH)	Tolerance	f _L MHz	Q Min.	SRF (MHz) (Min.)	DCR (Ω) (Max.)	IDC (mA) (Max.)	Ordering code
10	±2%=G	50	50@500MHz	4100	0.08	1000	MS2520-10N□-LF
12	±5%=J	50	50@500MHz	3300	0.09	1000	MS2520-12N□-LF
15	±10%=K	50	50@500MHz	2500	0.10	1000	MS2520-15N□-LF
18		50	50@350MHz	2500	0.11	1000	MS2520-18N□-LF
22		50	55@350MHz	2400	0.12	1000	MS2520-22N□-LF
27		50	55@350MHz	1600	0.13	1000	MS2520-27N□-LF
33		50	50@350MHz	1600	0.14	1000	MS2520-33N□-LF
39		50	50@350MHz	1500	0.15	1000	MS2520-39N□-LF
47		50	65@350MHz	1500	0.16	1000	MS2520-47N□-LF
56		50	65@350MHz	1300	0.18	1000	MS2520-56N□-LF
68		50	65@350MHz	1300	0.20	1000	MS2520-68N□-LF
82		50	60@350MHz	1000	0.22	1000	MS2520-82N□-LF
100		25	60@350MHz	1000	0.56	650	MS2520-R10□-LF
120		25	60@350MHz	950	0.63	650	MS2520-R12□-LF
150		25	45@100MHz	850	0.70	580	MS2520-R15□-LF
180		25	45@100MHz	750	0.77	620	MS2520-R18□-LF
220		25	45@100MHz	700	0.84	500	MS2520-R22□-LF
270		25	45@100MHz	600	0.91	500	MS2520-R27□-LF
330		25	45@100MHz	570	1.05	450	MS2520-R33□-LF
390		25	45@100MHz	500	1.12	470	MS2520-R39□-LF
470		25	45@100MHz	450	1.19	470	MS2520-R47□-LF
560		25	45@100MHz	415	1.33	400	MS2520-R56□-LF
620		25	45@100MHz	375	1.40	300	MS2520-R62□-LF
680		25	45@100MHz	375	1.47	400	MS2520-R68□-LF
750		25	45@100MHz	360	1.54	360	MS2520-R75□-LF
820		25	45@100MHz	350	1.61	400	MS2520-R82□-LF
910		25	35@50MHz	320	1.68	380	MS2520-R91□-LF
1000		25	35@50MHz	290	1.75	370	MS2520-1R0□-LF
1200		7.9	35@50MHz	250	2.00	310	MS2520-1R2□-LF
1500		7.9	28@50MHz	200	2.30	330	MS2520-1R5□-LF

- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Wire Wound Chip Inductors

MS3225LC



■ Size : 3.6x2.9x2.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

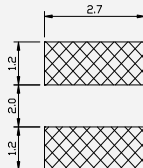
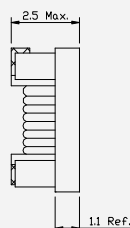
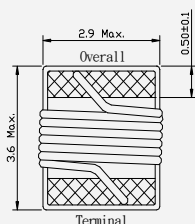
Packing unit : 2000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	Q Min.	SRF (MHz) (Min.)	DCR (Ω) (Max.)	I _{rms} (A) (Max.)	Ordering code
1.0	±5%=J ±10%=K	7.9	10@7.9MHz	290	0.12	1200	MS3225LC-1R0□-LF
1.5		7.9	10@7.9MHz	260	0.13	1000	MS3225LC-1R5□-LF
2.2		7.9	10@7.9MHz	190	0.17	880	MS3225LC-2R2□-LF
3.3		7.9	10@7.9MHz	64	0.22	775	MS3225LC-3R3□-LF
4.7		7.9	10@7.9MHz	54	0.26	710	MS3225LC-4R7□-LF
6.8		7.9	10@7.9MHz	34	0.30	660	MS3225LC-6R8□-LF
10		2.5	10@2.5MHz	25	0.39	570	MS3225LC-100□-LF
15		2.5	10@2.5MHz	17	0.66	440	MS3225LC-150□-LF
22		2.5	10@2.5MHz	16	0.82	400	MS3225LC-220□-LF
33		2.5	10@2.5MHz	12	1.50	285	MS3225LC-330□-LF
39		2.5	10@2.5MHz	12	1.66	270	MS3225LC-390□-LF
47		2.5	10@2.5MHz	10	1.90	260	MS3225LC-470□-LF
68		2.5	10@2.5MHz	9	2.29	235	MS3225LC-680□-LF
100		1.0	10@1MHz	7	3.48	190	MS3225LC-101□-LF
150		1.0	10@1MHz	5	6.55	140	MS3225LC-151□-LF
220		1.0	10@1MHz	4	8.23	115	MS3225LC-221□-LF
330		1.0	10@1MHz	2.8	13.7	98	MS3225LC-331□-LF
470		1.0	10@1MHz	2.6	18.1	86	MS3225LC-471□-LF
680		1.0	10@1MHz	2.3	22.0	76	MS3225LC-681□-LF

- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Wire Wound Chip Inductors

MS3225LS



■ Size : 3.6x2.9x2.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

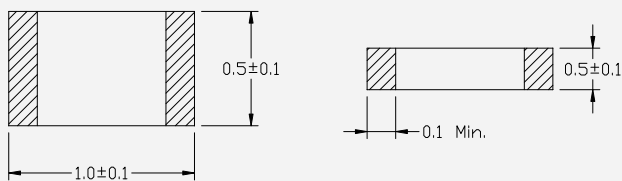
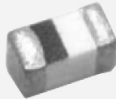
Packing unit : 2000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f _L MHz	Q Min.	SRF (MHz) (Min.)	DCR (Ω) (Max.)	IDC (A) (Max.)	Ordering code
1.0	±5%=J ±10%=K	7.9	30@7.9MHz	239	0.54	630	MS3225LS-1R0□-LF
1.2		7.9	30@7.9MHz	221	0.54	630	MS3225LS-1R2□-LF
1.5		7.9	30@7.9MHz	209	0.54	630	MS3225LS-1R5□-LF
1.8		7.9	30@7.9MHz	203	0.62	630	MS3225LS-1R8□-LF
2.2		7.9	30@7.9MHz	187	0.71	630	MS3225LS-2R2□-LF
2.7		7.9	30@7.9MHz	157	0.74	630	MS3225LS-2R7□-LF
3.3		7.9	30@7.9MHz	146	0.83	600	MS3225LS-3R3□-LF
3.9		7.9	30@7.9MHz	139	1.74	380	MS3225LS-3R9□-LF
4.7		7.9	30@7.9MHz	124	1.90	360	MS3225LS-4R7□-LF
5.6		7.9	30@7.9MHz	114	2.05	330	MS3225LS-5R6□-LF
6.8		7.9	30@7.9MHz	109	1.37	450	MS3225LS-6R8□-LF
8.2		7.9	30@7.9MHz	104	1.50	420	MS3225LS-8R2□-LF
10		2.5	25@2.5MHz	87	1.70	400	MS3225LS-100□-LF
12		2.5	25@2.5MHz	76	1.88	360	MS3225LS-120□-LF
15		2.5	25@2.5MHz	67	2.22	340	MS3225LS-150□-LF
18		2.5	25@2.5MHz	57	2.42	330	MS3225LS-180□-LF
22		2.5	25@2.5MHz	48	2.66	300	MS3225LS-220□-LF
27		2.5	25@2.5MHz	38	2.99	250	MS3225LS-270□-LF
33		2.5	25@2.5MHz	26	3.24	220	MS3225LS-330□-LF
39		2.5	25@2.5MHz	24	3.61	195	MS3225LS-390□-LF
47		2.5	25@2.5MHz	22	3.96	195	MS3225LS-470□-LF
56		2.5	25@2.5MHz	20	4.36	190	MS3225LS-560□-LF
68		2.5	25@2.5MHz	18	4.73	180	MS3225LS-680□-LF
82		2.5	25@2.5MHz	16	5.95	160	MS3225LS-820□-LF
100		1.0	15@1MHz	14	6.62	150	MS3225LS-101□-LF
120		1.0	15@1MHz	12	7.33	140	MS3225LS-121□-LF
150		1.0	15@1MHz	11	8.29	135	MS3225LS-151□-LF
180		1.0	15@1MHz	10	11.53	100	MS3225LS-181□-LF
220		1.0	15@1MHz	8	12.48	80	MS3225LS-221□-LF

- Operating temperature range -40°C to +125°C.
- Electrical specifications at 25°C.

Multilayer Ceramic Chip Inductors

MF1005



■ Size : 1.0x0.5x0.5 (mm)

■ Core material : Ceramic

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

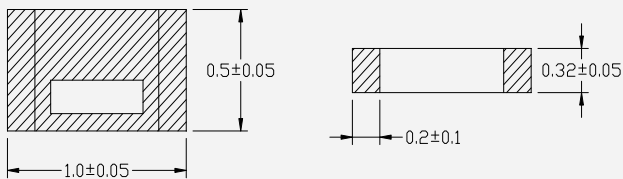
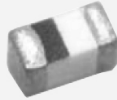
Packing unit : 10000 pcs/reel

INDUCTANCE (nH) 100MHz	Tolerance	Q TYPICAL		SRF (MHz) (Min.)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
		100 MHz	800 MHz				
1.0	±0.3nH=S	8	28	4000	300	0.12	MF1005-1N0S-LF
1.2		8	28	4000	300	0.12	MF1005-1N2S-LF
1.5		8	30	4000	300	0.13	MF1005-1N5S-LF
1.8		8	28	4000	300	0.14	MF1005-1N8S-LF
2.2		8	30	4000	300	0.16	MF1005-2N2S-LF
2.7		8	30	4000	300	0.17	MF1005-2N7S-LF
3.3	±0.3nH=S ±10%=K	8	30	4000	300	0.19	MF1005-3N3□-LF
3.9		8	31	4000	300	0.22	MF1005-3N9□-LF
4.7		8	30	4000	300	0.24	MF1005-4N7□-LF
5.6		8	31	4000	300	0.27	MF1005-5N6□-LF
6.8	±5%=J ±10%=K	8	31	3900	250	0.32	MF1005-6N8□-LF
8.2		8	34	3600	250	0.37	MF1005-8N2□-LF
10		8	32	3200	250	0.42	MF1005-10N□-LF
12		8	31	2700	250	0.50	MF1005-12N□-LF
15		8	30	2300	250	0.55	MF1005-15N□-LF
18		8	29	2100	200	0.65	MF1005-18N□-LF
22		8	28	1900	200	0.80	MF1005-22N□-LF
27		8	27	1600	200	0.90	MF1005-27N□-LF
33		8	25	1300	200	1.00	MF1005-33N□-LF
39		8	25	1200	150	1.20	MF1005-39N□-LF
47		8	23	1000	150	1.30	MF1005-47N□-LF
56		8	21	750	150	1.40	MF1005-56N□-LF
68		8	19	750	150	1.40	MF1005-68N□-LF
82		8	16	600	100	1.60	MF1005-82N□-LF
100		8	10	600	100	1.60	MF1005-R10□-LF
120		8	8	600	100	1.60	MF1005-R12□-LF

- Test equipment : Agilent/HP-4287A LCR meter or equivalent .
- Operating temperature range -40℃ to +105℃, Electrical specifications at 25℃.

Multilayer Ceramic Chip Inductors

MF1005T



■ Size : 1.0x0.5x0.32 (mm)

■ Core material : Ceramic

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

Packing unit : 10000 pcs/reel

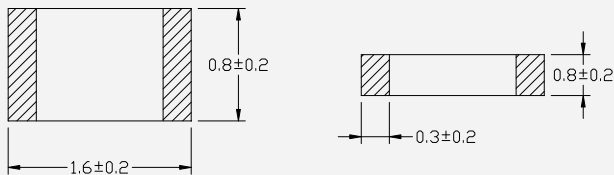
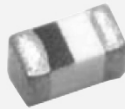
INDUCTANCE (nH) 100MHz	Tolerance	Q (Min.)	SRF (GHz) (Min.)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
0.2	±0.1nH=B	13@500MHz	14	800	0.10	MF1005T-0N2□-LF
0.4	±0.2nH=C	13@500MHz	14	800	0.10	MF1005T-0N4□-LF
0.8	±0.3nH=S	13@500MHz	14	700	0.15	MF1005T-0N8□-LF
1.0		13@500MHz	12	700	0.15	MF1005T-1N0□-LF
1.2		13@500MHz	12	700	0.15	MF1005T-1N2□-LF
1.5		13@500MHz	10	700	0.25	MF1005T-1N5□-LF
1.6		13@500MHz	10	560	0.25	MF1005T-1N6□-LF
1.8		13@500MHz	10	560	0.25	MF1005T-1N8□-LF
2.0		13@500MHz	8	560	0.35	MF1005T-2N0□-LF
2.2		13@500MHz	8	440	0.35	MF1005T-2N2□-LF
2.7		13@500MHz	8	440	0.35	MF1005T-2N7□-LF
3.1		13@500MHz	6	380	0.45	MF1005T-3N1□-LF
3.3		13@500MHz	6	380	0.45	MF1005T-3N3□-LF
3.6		13@500MHz	6	380	0.55	MF1005T-3N6□-LF
3.9		13@500MHz	6	340	0.55	MF1005T-3N9□-LF
4.7		13@500MHz	6	320	0.65	MF1005T-4N7□-LF
5.6		13@500MHz	6	280	0.85	MF1005T-5N6□-LF
5.9		13@500MHz	6	280	0.85	MF1005T-5N9□-LF
6.8		13@500MHz	6	260	1.05	MF1005T-6N8□-LF
7.2		13@500MHz	6	260	1.05	MF1005T-7N2□-LF
8.0		13@500MHz	5.5	220	1.25	MF1005T-8N0□-LF
8.2		13@500MHz	5.5	220	1.25	MF1005T-8N2□-LF
9.1		13@500MHz	5.5	220	1.25	MF1005T-9N1□-LF
10	±1%=F	13@500MHz	4.5	200	1.35	MF1005T-10N□-LF
12	±2%=G	13@500MHz	3.7	180	1.55	MF1005T-12N□-LF
15	±3%=H	13@500MHz	3.3	130	1.75	MF1005T-15N□-LF
17	±5%=J	13@500MHz	3.1	100	1.95	MF1005T-17N□-LF
18		13@500MHz	3.1	100	2.15	MF1005T-18N□-LF
22		13@500MHz	2.8	90	2.65	MF1005T-22N□-LF
27		13@500MHz	2.5	75	3.25	MF1005T-27N□-LF
33		13@500MHz	2.5	75	3.75	MF1005T-33N□-LF

● Test equipment : Agilent/HP-4287A LCR meter or equivalent .

- Operating temperature range -40°C to +125°C, Electrical specifications at 25°C.

Multilayer Ceramic Chip Inductors

MF1608



■ Size : 1.6x0.8x0.8 (mm)

■ Core material : Ceramic

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

Packing unit : 4000 pcs/reel

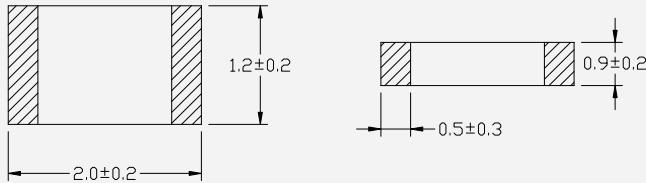
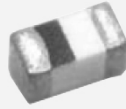
INDUCTANCE (nH) 100MHz	Tolerance	Q TYPICAL		SRF (MHz) (Min.)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
		100 MHz	800 MHz				
1.0	±0.3nH=S	14	70	10000	300	0.05	MF1608-1N0S-LF
1.2		14	70	10000	300	0.05	MF1608-1N2S-LF
1.5		14	47	6000	300	0.10	MF1608-1N5S-LF
1.8		10	30	6000	300	0.10	MF1608-1N8S-LF
2.2		12	37	6000	300	0.10	MF1608-2N2S-LF
2.7		13	41	6000	300	0.10	MF1608-2N7S-LF
3.3		14	42	6000	300	0.12	MF1608-3N3S-LF
3.9		13	42	6000	300	0.14	MF1608-3N9S-LF
4.7		13	42	4000	300	0.16	MF1608-4N7S-LF
5.6		14	42	4000	300	0.18	MF1608-5N6S-LF
6.8	±5%=J	14	43	4000	300	0.22	MF1608-6N8J-LF
8.2		14	44	3500	300	0.24	MF1608-8N2J-LF
10.0		14	43	3400	300	0.26	MF1608-10NJ-LF
12.0		14	45	2600	300	0.28	MF1608-12NJ-LF
15.0		15	46	2300	300	0.32	MF1608-15NJ-LF
18.0		15	44	2000	300	0.35	MF1608-18NJ-LF
22.0		16	44	1600	300	0.40	MF1608-22NJ-LF
27.0		16	45	1400	300	0.45	MF1608-27NJ-LF
33.0		17	46	1200	300	0.55	MF1608-33NJ-LF
39.0		18	44	1100	300	0.60	MF1608-39NJ-LF
47.0		17	35	900	300	0.70	MF1608-47NJ-LF
56.0		17	34	900	300	0.75	MF1608-56NJ-LF
68.0		18	30	700	300	0.85	MF1608-68NJ-LF
82.0		18	27	600	300	0.95	MF1608-82NJ-LF
100		18	16	600	300	1.00	MF1608-R10J-LF
120		16	—	500	300	1.20	MF1608-R12J-LF
150		13	—	500	300	1.20	MF1608-R15J-LF
180		13	—	400	300	1.30	MF1608-R18J-LF
220		12	—	400	300	1.50	MF1608-R22J-LF
270		12	—	350	300	1.60	MF1608-R27J-LF

- Test equipment : Agilent/HP-4287A LCR meter or equivalent .

- Operating temperature range -40℃ to +105℃ , Electrical specifications at 25℃.

Multilayer Ceramic Chip Inductors

MF2012



■ Size : 2.0x1.2x0.9 (mm)

■ Core material : Ceramic

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

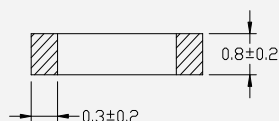
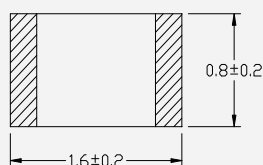
Packing unit : 4000 pcs/reel

INDUCTANCE (nH) 100MHz	Tolerance	Q TYPICAL		SRF (MHz) (Min.)	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
		100 MHz	800 MHz				
1.5	±0.3nH=S	21	61	4000	300	0.10	MF2012-1N5S-LF
1.8		18	55	4000	300	0.10	MF2012-1N8S-LF
2.2		18	53	4000	300	0.10	MF2012-2N2S-LF
2.7		19	56	4000	300	0.10	MF2012-2N7S-LF
3.3		16	47	4000	300	0.13	MF2012-3N3S-LF
3.9		18	54	4000	300	0.15	MF2012-3N9S-LF
4.7		18	55	3500	300	0.20	MF2012-4N7S-LF
5.6		20	60	3200	300	0.23	MF2012-5N6S-LF
6.8	±5%=J	20	63	2800	300	0.25	MF2012-6N8J-LF
8.2		21	63	2400	300	0.28	MF2012-8N2J-LF
10.0		20	60	2100	300	0.30	MF2012-10NJ-LF
12.0		21	60	1900	300	0.35	MF2012-12NJ-LF
15.0		22	63	1600	300	0.40	MF2012-15NJ-LF
18.0		24	63	1500	300	0.45	MF2012-18NJ-LF
22.0		23	60	1400	300	0.50	MF2012-22NJ-LF
27.0		23	58	1300	300	0.55	MF2012-27NJ-LF
33.0		24	55	1200	300	0.60	MF2012-33NJ-LF
39.0		23	47	1000	300	0.65	MF2012-39NJ-LF
47.0		23	43	900	300	0.70	MF2012-47NJ-LF
56.0		23	39	800	300	0.75	MF2012-56NJ-LF
68.0		25	30	700	300	0.80	MF2012-68NJ-LF
82.0		24	—	600	300	0.90	MF2012-82NJ-LF
100.0		23	—	600	300	0.90	MF2012-R10J-LF
120.0@50MHz		13@50MHz	—	500	300	0.95	MF2012-R12J-LF
150.0@50MHz		13@50MHz	—	500	300	1.00	MF2012-R15J-LF
180.0@50MHz		13@50MHz	—	400	300	1.10	MF2012-R18J-LF
220.0@50MHz		12@50MHz	—	350	300	1.20	MF2012-R22J-LF
270.0@50MHz		12@50MHz	—	250	300	1.30	MF2012-R27J-LF
330.0@50MHz		12@50MHz	—	250	300	1.05	MF2012-R33J-LF
390.0@50MHz		10@50MHz	—	250	300	1.50	MF2012-R39J-LF
470.0@50MHz		10@50MHz	—	200	300	1.50	MF2012-R47J-LF

- Test equipment : Agilent/HP-4287A LCR meter or equivalent .
- Operating temperature range -40℃ to +105℃ , Electrical specifications at 25℃.

Multilayer Ferrite Chip Inductors

ML1608HC



■ Size : 1.6x0.8x0.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

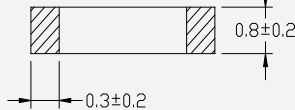
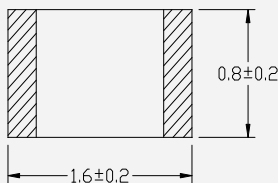
Packing unit : 4000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	Isat1 (A) (Max.)	Isat2 (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.0	$\pm 20\% = M$	7.96	0.23	0.36	0.104	ML1608HC-1R0M-LF
2.2		7.96	0.16	0.24	0.221	ML1608HC-2R2M-LF
4.7		7.96	0.11	0.17	0.312	ML1608HC-4R7M-LF
10		2.52	0.08	0.12	0.468	ML1608HC-100M-LF
22		2.52	0.05	0.07	1.300	ML1608HC-220M-LF
47		2.52	0.035	0.05	2.990	ML1608HC-470M-LF

- Test Equipment : HP-4291A Impedance Analyzer Meter or equivalent .
- Isat1: DC current at which the inductance drops 10% (typ) from its value without current.
- Isat2: DC current at which the inductance drops 30% (typ) from its value without current.
- Operating temperature range -40°C to $+105^{\circ}\text{C}$

Multilayer Ferrite Chip Inductors

ML1608



■ Size : 1.6x0.8x0.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

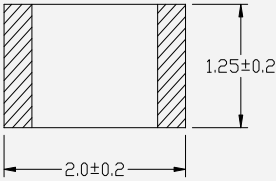
Packing unit : 4000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_{LQ} MHz	Q Min.	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
0.047	$\pm 20\% = M$	50	10	50	0.30	ML1608-47NM-LF
0.068		50	10	50	0.30	ML1608-68NM-LF
0.082		50	10	50	0.30	ML1608-82NM-LF
0.10	$\pm 10\% = K$	25	15	50	0.50	ML1608-R10K-LF
0.12		25	15	50	0.50	ML1608-R12K-LF
0.15		25	15	50	0.60	ML1608-R15K-LF
0.18		25	15	50	0.60	ML1608-R18K-LF
0.22		25	15	50	0.80	ML1608-R22K-LF
0.27		25	15	50	0.80	ML1608-R27K-LF
0.33		25	15	35	0.85	ML1608-R33K-LF
0.39		25	15	35	1.00	ML1608-R39K-LF
0.47		25	15	35	1.35	ML1608-R47K-LF
0.56		25	15	35	1.55	ML1608-R56K-LF
0.68		25	15	35	1.70	ML1608-R68K-LF
0.82		25	15	35	2.10	ML1608-R82K-LF
1.0		10	35	25	0.60	ML1608-1R0K-LF
1.2		10	35	25	0.80	ML1608-1R2K-LF
1.5		10	35	25	0.80	ML1608-1R5K-LF
1.8		10	35	25	0.95	ML1608-1R8K-LF
2.2		10	35	15	1.15	ML1608-2R2K-LF
2.7		10	35	15	1.35	ML1608-2R7K-LF
3.3		10	35	15	1.55	ML1608-3R3K-LF
3.9		10	35	15	1.70	ML1608-3R9K-LF
4.7		10	35	15	2.10	ML1608-4R7K-LF
5.6		4	35	5	1.55	ML1608-5R6K-LF
6.8		4	35	5	1.70	ML1608-6R8K-LF
8.2		4	35	5	2.10	ML1608-8R2K-LF
10		2	30	3	1.85	ML1608-100K-LF
12		2	30	3	2.10	ML1608-120K-LF
15		1	20	1	1.70	ML1608-150K-LF

- Operating temperature range -40°C to $+105^{\circ}\text{C}$

Multilayer Ferrite Chip Inductors

ML2012HP ML2012HC



- Size : 2.0x1.25x1.25 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

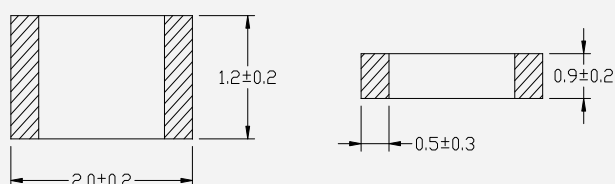
Packing unit : 4000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
1.0	±30%=N	1MHz /250mV	0.22	0.200	ML2012HP-1R0N-LF
2.2		1MHz /250mV	0.15	0.280	ML2012HP-2R2N-LF
4.7		1MHz /250mV	0.12	0.455	ML2012HC-4R7N-LF
10.0		1MHz /250mV	0.10	0.480	ML2012HC-100N-LF

- Test Equipment : HP-4291A Impedance Analyzer Meter or equivalent.
- Operating Temperature Range: -40℃ to +105℃
- Class of Magnetic Shield: Magnetic shield of Ferrite.

Multilayer Ferrite Chip Inductors

ML2012



■ Size : 2.0x1.2x0.9 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

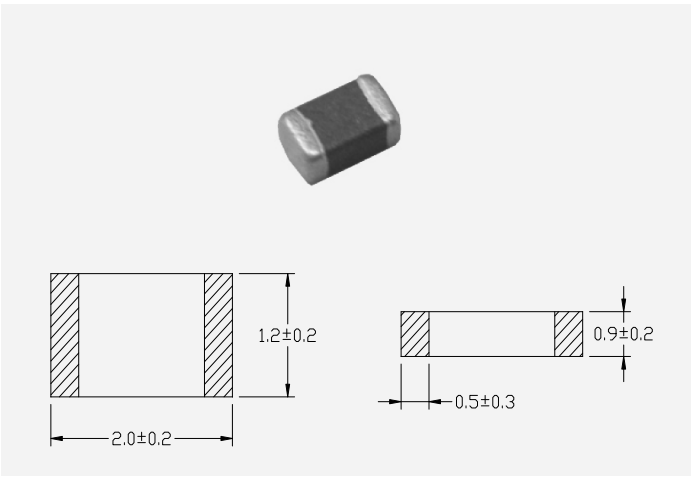
Delivery mode : Tape & reel packing

Packing unit : 4000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L/Q MHz	Q Min.	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
0.047	$\pm 20\% = M$	50	15	300	0.20	ML2012-47NM-LF
0.068		50	15	300	0.20	ML2012-68NM-LF
0.082	$\pm 10\% = K$	50	15	300	0.20	ML2012-82NM-LF
0.10		25	20	250	0.30	ML2012-R10K-LF
0.12		25	20	250	0.30	ML2012-R12K-LF
0.15		25	20	250	0.40	ML2012-R15K-LF
0.18		25	20	250	0.40	ML2012-R18K-LF
0.22		25	20	250	0.50	ML2012-R22K-LF
0.27		25	20	250	0.50	ML2012-R27K-LF
0.33		25	20	250	0.55	ML2012-R33K-LF
0.39		25	25	200	0.65	ML2012-R39K-LF
0.47		25	25	200	0.65	ML2012-R47K-LF
0.56		25	25	150	0.75	ML2012-R56K-LF
0.68		25	25	150	0.80	ML2012-R68K-LF
0.82		25	25	150	1.00	ML2012-R82K-LF
1.0		10	45	50	0.40	ML2012-1R0K-LF
1.2		10	45	50	0.50	ML2012-1R2K-LF
1.5		10	45	50	0.50	ML2012-1R5K-LF
1.8		10	45	50	0.60	ML2012-1R8K-LF
2.2		10	45	30	0.65	ML2012-2R2K-LF
2.7		10	45	30	0.75	ML2012-2R7K-LF
3.3		10	45	30	0.80	ML2012-3R3K-LF
3.9		10	45	30	0.90	ML2012-3R9K-LF
4.7		10	45	15	1.00	ML2012-4R7K-LF
5.6		4	50	15	0.90	ML2012-5R6K-LF
6.8		4	50	15	1.00	ML2012-6R8K-LF
8.2		4	50	15	1.10	ML2012-8R2K-LF
10		2	50	15	1.15	ML2012-100K-LF
12		2	50	15	1.25	ML2012-120K-LF

Multilayer Ferrite Chip Inductors

ML2012



- Size : 2.0x1.2x0.9 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

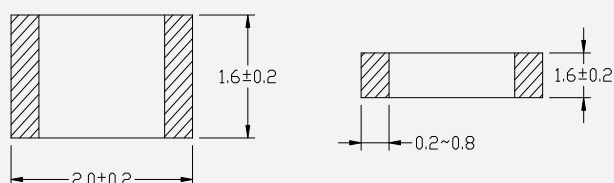
Terminals : Lead-free tinned
Solderability : Reflow soldering
Delivery mode : Tape & reel packing
Packing unit : 4000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _{LQ} MHz	Q Min.	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
15	±10%=K	1	30	5	0.80	ML2012-150K-LF
18		1	30	5	0.90	ML2012-180K-LF
22		1	30	5	1.10	ML2012-220K-LF
27		1	30	5	1.15	ML2012-270K-LF
33		0.4	30	5	1.25	ML2012-330K-LF

- Test equipment : Agilent/HP-4291A impedance analyzer or equipment .
- Operating temperature range -40℃to +105℃

Multilayer Ferrite Chip Inductors

ML2016HC



■ Size : 2.0x1.6x1.6 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

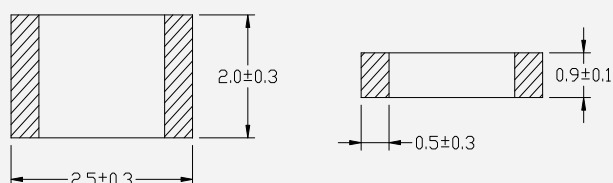
Packing unit : 3000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L/Q MHz	Q Min.	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
1.0	$\pm 20\% = M$	7.96	10	455	0.09	ML2016HC-1R0M-LF
1.5		7.96	10	350	0.11	ML2016HC-1R5M-LF
2.2		7.96	10	315	0.13	ML2016HC-2R2M-LF
3.3		7.96	10	280	0.20	ML2016HC-1R0M-LF
4.7		7.96	10	210	0.25	ML2016HC-4R7M-LF
6.8		7.96	10	175	0.35	ML2016HC-6R8M-LF
10		2.52	10	155	0.50	ML2016HC-100M-LF
15		2.52	10	130	0.70	ML2016HC-150M-LF
22		2.52	10	105	1.00	ML2016HC-220M-LF
33		2.52	10	85	1.70	ML2016HC-330M-LF
47		2.52	10	60	2.40	ML2016HC-470M-LF
68		2.52	10	50	3.00	ML2016HC-680M-LF
100		0.796	10	40	4.50	ML2016HC-101M-LF

- Operating temperature range -40°C to $+105^{\circ}\text{C}$

Multilayer Ferrite Chip Inductors

ML2520HC



■ Size : 2.5x2.0x0.9 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

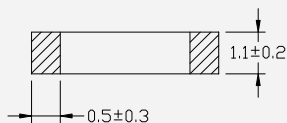
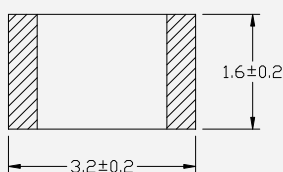
Packing unit : 3000 pcs/reel

INDUCTANCE (μ H)	Tolerance	f_L MHz	IDC (A) (Max.)	DCR (Ω) ($\pm 25\%$)	Ordering code
1.0	$\pm 20\% = M$	1.0	1.40	0.055	ML2520HC-1R0M-LF
2.2		1.0	1.30	0.080	ML2520HC-2R2M-LF
3.3		1.0	1.20	0.100	ML2520HC-3R3M-LF
4.7		1.0	1.10	0.110	ML2520HC-4R7M-LF

- Magnetic shielding allows high-density mounting.
- Ultra-small shielded power inductor – only 1 mm high, 2.5× 2 mm footprint.
- Handles current up to 1.6 Amps.
- Excellent mounting strength by SMD chip making.
- RoHS-compliant. 260°C compatible.
- Operating temperature range -40°C to +105°C

Multilayer Ferrite Chip Inductors

ML3216



■ Size : 3.2x1.6x1.1 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

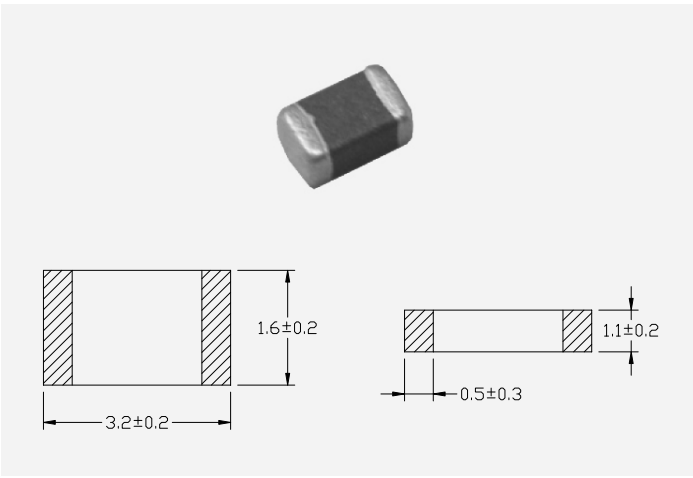
Delivery mode : Tape & reel packing

Packing unit : 3000 pcs/reel

INDUCTANCE (μ H)	Tolerance	$f_{L/Q}$ MHz	Q Min.	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
0.047	$\pm 20\% = M$	50	20	300	0.15	ML3216-47NM-LF
0.068		50	20	300	0.25	ML3216-68NM-LF
0.082	$\pm 10\% = K$	50	20	300	0.25	ML3216-82NM-LF
0.10		25	20	250	0.25	ML3216-R10K-LF
0.12		25	20	250	0.30	ML3216-R12K-LF
0.15		25	20	250	0.30	ML3216-R15K-LF
0.18		25	20	250	0.40	ML3216-R18K-LF
0.22		25	20	250	0.40	ML3216-R22K-LF
0.27		25	20	250	0.50	ML3216-R27K-LF
0.33		25	20	250	0.60	ML3216-R33K-LF
0.39		25	25	200	0.50	ML3216-R39K-LF
0.47		25	25	200	0.60	ML3216-R47K-LF
0.56		25	25	150	0.70	ML3216-R56K-LF
0.68		25	25	150	0.80	ML3216-R68K-LF
0.82		25	25	150	0.90	ML3216-R82K-LF
1.0		10	45	100	0.40	ML3216-1R0K-LF
1.2		10	45	100	0.50	ML3216-1R2K-LF
1.5		10	45	50	0.50	ML3216-1R5K-LF
1.8		10	45	50	0.50	ML3216-1R8K-LF
2.2		10	45	50	0.60	ML3216-2R2K-LF
2.7		10	45	50	0.60	ML3216-2R7K-LF
3.3		10	45	50	0.70	ML3216-3R3K-LF
3.9		10	45	50	0.80	ML3216-3R9K-LF
4.7		10	45	50	0.90	ML3216-4R7K-LF
5.6		4	50	25	0.70	ML3216-5R6K-LF
6.8		4	50	25	0.80	ML3216-6R8K-LF
8.2		4	50	25	0.90	ML3216-8R2K-LF
10		2	50	25	1.00	ML3216-100K-LF
12		2	50	15	1.05	ML3216-120K-LF

Multilayer Ferrite Chip Inductors

ML3216



- Size : 3.2x1.6x1.1 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

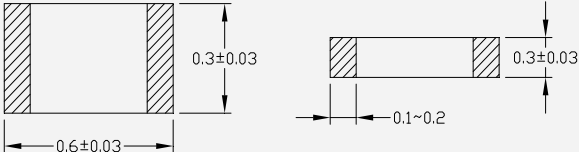
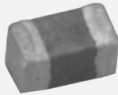
Terminals : Lead-free tinned
Solderability : Reflow soldering
Delivery mode : Tape & reel packing
Packing unit : 3000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _{LQ} MHz	Q Min.	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
15	±10%=K	1	35	5	0.70	ML3216-150K-LF
18		1	35	5	0.70	ML3216-180K-LF
22		1	35	5	0.90	ML3216-220K-LF
27		1	35	5	0.90	ML3216-270K-LF
33		0.4	35	5	1.05	ML3216-330K-LF
39		2	40	10	3.00	ML3216-390K-LF
47		2	40	10	3.40	ML3216-470K-LF

- Test equipment : Agilent/HP-4291A impedance analyzer or equipment .
- Operating temperature range -40℃to +105℃

Multilayer Ferrite Chip Beads

MB0603



Top view dimensions: 0.6 ± 0.03 mm (length), 0.3 ± 0.03 mm (width).
Side view dimensions: $0.1 \sim 0.2$ mm (height), 0.3 ± 0.03 mm (width).

- Size : 0.6x0.3x0.3 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

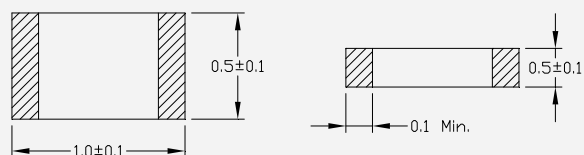
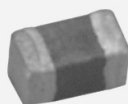
Terminals : Lead-free tinned
Solderability : Reflow soldering
Delivery mode : Tape & reel packing
Packing unit : 15000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
40	±25%	100	300	0.30	MB0603-400-LF
50		100	300	0.30	MB0603-500-LF
60		100	300	0.35	MB0603-600-LF
70		100	300	0.35	MB0603-700-LF
120		100	200	0.45	MB0603-121-LF

- Test equipment : E-4991A impedance analyzer or equipment.
- Operating temperature range -55℃ to +125℃, Electrical specifications at 25℃.

Multilayer Ferrite Chip Beads

MB1005



■ Size : 1.0x0.5x0.5 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

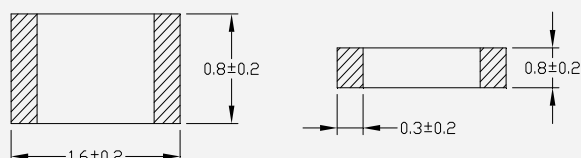
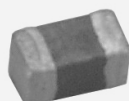
Packing unit : 10000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±25%	100	500	0.05	MB1005-100-LF
30		100	400	0.20	MB1005-300-LF
60		100	300	0.25	MB1005-600-LF
120		100	300	0.30	MB1005-121-LF
240		100	200	0.40	MB1005-241-LF
300		100	200	0.50	MB1005-301-LF
450		100	200	0.60	MB1005-451-LF
600		100	200	0.80	MB1005-601-LF
1000		100	150	1.00	MB1005-102-LF

- Test equipment : Agilent/HP-4291A impedance analyzer or equipment.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

Multilayer Ferrite Chip Beads

MB1608



■ Size : 1.6x0.8x0.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

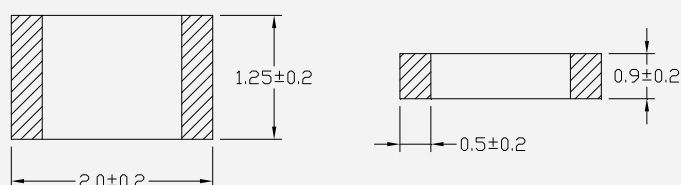
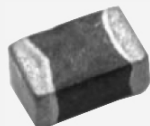
Packing unit : 4000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
30	±25%	100	400	0.20	MB1608-300-LF
60		100	300	0.20	MB1608-600-LF
80		100	300	0.40	MB1608-800-LF
100		100	250	0.40	MB1608-101-LF
120		100	200	0.40	MB1608-121-LF
150		100	200	0.40	MB1608-151-LF
180		100	200	0.50	MB1608-181-LF
200		100	200	0.40	MB1608-201-LF
220		100	200	0.40	MB1608-221-LF
300		100	200	0.45	MB1608-301-LF
450		100	200	0.50	MB1608-451-LF
600		100	200	0.50	MB1608-601-LF
750		100	200	0.60	MB1608-751-LF
1000		100	100	0.70	MB1608-102-LF
1500		100	100	1.00	MB1608-152-LF
1800		100	100	1.00	MB1608-182-LF
2000		100	100	1.50	MB1608-202-LF

- Test equipment : Agilent/HP-4291A impedance analyzer or equipment.
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

Multilayer Ferrite Chip Beads

MB2012



■ Size : 2.0x1.25x0.9 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

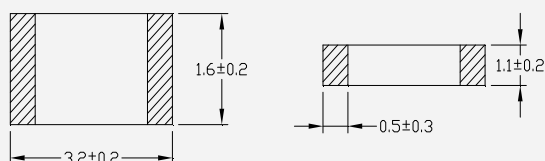
Packing unit : 4000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
7	±25%	100	300	0.10	MB2012-070-LF
11		100	300	0.10	MB2012-110-LF
31		100	300	0.20	MB2012-310-LF
60		100	300	0.20	MB2012-600-LF
80		100	300	0.30	MB2012-800-LF
100		100	300	0.30	MB2012-101-LF
120		100	300	0.30	MB2012-121-LF
150		100	200	0.30	MB2012-151-LF
220		100	200	0.30	MB2012-221-LF
300		100	200	0.30	MB2012-301-LF
400		100	200	0.40	MB2012-401-LF
600		100	200	0.40	MB2012-601-LF
1000		100	200	0.40	MB2012-102-LF
1500		100	200	0.45	MB2012-152-LF
1800		100	200	0.45	MB2012-182-LF
2000		100	200	0.55	MB2012-202-LF
2500		100	200	0.70	MB2012-252-LF
2700		100	200	0.80	MB2012-272-LF

- Test equipment : Agilent/HP-4291A impedance analyzer or equipment.
- Operating temperature range -55°C to +125°C, Electrical specifications at 25°C.

Multilayer Ferrite Chip Beads

MB3216



■ Size : 3.2x1.6x1.1 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

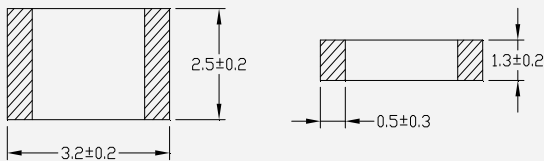
Packing unit : 3000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
26	±25%	100	500	0.10	MB3216-260-LF
31		100	500	0.10	MB3216-310-LF
52		100	400	0.20	MB3216-520-LF
60		100	400	0.20	MB3216-600-LF
90		100	300	0.20	MB3216-900-LF
120		100	300	0.20	MB3216-121-LF
150		100	300	0.20	MB3216-151-LF
300		100	200	0.60	MB3216-301-LF
600		100	200	0.60	MB3216-601-LF
750		100	200	0.80	MB3216-751-LF
1000		100	200	1.00	MB3216-102-LF
1500		50	200	1.00	MB3216-152-LF
2000		30	200	1.00	MB3216-202-LF

- Test equipment : Agilent/HP-4291A impedance analyzer or equipment.
- Operating temperature range -55°C to +125°C, Electrical specifications at 25°C.

Multilayer Ferrite Chip Beads

MB3225



- Size : 3.2x2.5x1.3 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

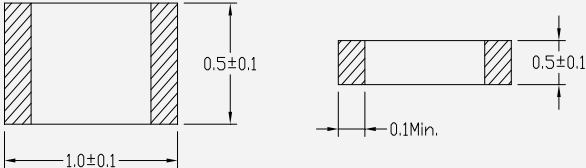
Terminals : Lead-free tinned
Solderability : Reflow soldering
Delivery mode : Tape & reel packing
Packing unit : 2000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
31	±25%	100	500	0.10	MB3225-310-LF
52		100	400	0.30	MB3225-520-LF
60		100	400	0.30	MB3225-600-LF
90		100	400	0.40	MB3225-900-LF

- Test equipment : Agilent/HP-4291A impedance analyzer or equipment.
- Operating temperature range -55°C to +125°C, Electrical specifications at 25°C.

Multilayer High Current Chip Beads

MI1005



- Size : 1.0x0.5x0.5 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

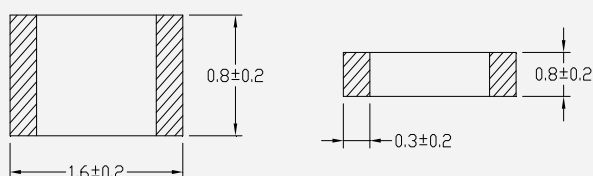
Packing unit : 10000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
60	±25%	100	1.0	0.20	MI1005-600-1A-LF
120		100	1.0	0.20	MI1005-121-1A-LF

- Test equipment : Agilent/HP-4291A impedance analyzer or equipment .
- Operating temperature range -55℃ to +125℃ .
- Electrical specifications at 25℃ .

Multilayer High Current Chip Beads

MI1608



■ Size : 1.6x0.8x0.8 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

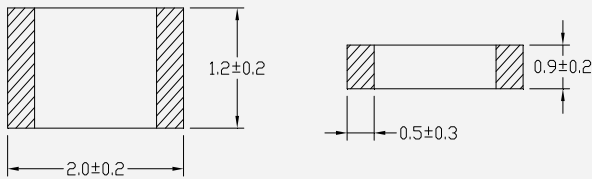
Packing unit : 4000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
10	±25%	100	5.0	0.010	MI1608-100-5A-LF
30		100	3.0	0.040	MI1608-300-3A-LF
60		100	3.0	0.040	MI1608-600-3A-LF
100		100	2.0	0.050	MI1608-101-2A-LF
120		100	2.0	0.050	MI1608-121-2A-LF
150		100	2.0	0.080	MI1608-151-2A-LF
220		100	2.0	0.080	MI1608-221-2A-LF
300		100	2.0	0.100	MI1608-301-2A-LF
450		100	1.5	0.150	MI1608-451-1.5A-LF
470		100	1.5	0.150	MI1608-471-1.5A-LF
600		100	1.0	0.300	MI1608-601-1A-LF

- Test equipment : Agilent/HP-4291A impedance analyzer or equipment .
- Operating temperature range -55°C to +125°C.
- Electrical specifications at 25°C.

Multilayer High Current Chip Beads

MI2012



■ Size : 2.0x1.2x0.9 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

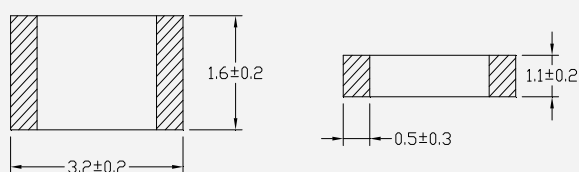
Packing unit : 4000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
7	±25%	100	6.0	0.008	MI2012-070-6A-LF
11		100	3.0	0.030	MI2012-110-3A-LF
11		100	6.0	0.008	MI2012-110-6A-LF
17		100	3.0	0.030	MI2012-170-3A-LF
17		100	6.0	0.008	MI2012-170-6A-LF
20		100	6.0	0.010	MI2012-200-6A-LF
30		100	6.0	0.008	MI2012-300-6A-LF
31		100	3.0	0.030	MI2012-310-6A-LF
39		100	6.0	0.008	MI2012-390-6A-LF
47		100	3.0	0.030	MI2012-470-3A-LF
52		100	3.0	0.030	MI2012-520-6A-LF
60		100	3.0	0.040	MI2012-600-3A-LF
60		100	6.0	0.020	MI2012-600-6A-LF
80		100	3.0	0.040	MI2012-800-3A-LF
80		100	6.0	0.020	MI2012-800-6A-LF
120		100	3.0	0.050	MI2012-121-3A-LF
120		100	6.0	0.025	MI2012-121-6A-LF
150		100	3.0	0.040	MI2012-151-3A-LF
220		100	3.0	0.050	MI2012-221-3A-LF
300		100	3.0	0.050	MI2012-301-2A-LF
470		100	2.0	0.100	MI2012-471-2A-LF
600		100	2.0	0.100	MI2012-601-2A-LF
1000		100	1.0	0.300	MI2012-102-1A-LF
1500		100	1.0	0.400	MI2012-152-1A-LF

- Test equipment : Agilent/HP-4291A impedance analyzer or equipment .
- Operating temperature range -55°C to +125°C, Electrical specifications at 25°C.

Multilayer High Current Chip Beads

MI3216



■ Size : 3.2x1.6x1.1 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

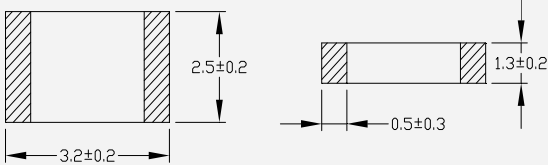
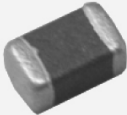
Packing unit : 3000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
19	±25%	100	3.0	0.030	MI3216-190-3A-LF
31		100	3.0	0.030	MI3216-310-3A-LF
31		100	6.0	0.006	MI3216-310-6A-LF
52		100	3.0	0.030	MI3216-520-3A-LF
52		100	6.0	0.020	MI3216-520-6A-LF
70		100	3.0	0.040	MI3216-700-3A-LF
80		100	4.0	0.020	MI3216-800-4A-LF
100		100	3.0	0.040	MI3216-101-3A-LF
120		100	5.0	0.025	MI3216-121-5A-LF
150		100	3.0	0.050	MI3216-151-3A-LF
300		100	3.0	0.060	MI3216-301-3A-LF
500		100	2.5	0.070	MI3216-501-2.5A-LF
600		100	2.0	0.080	MI3216-601-2A-LF
1000		100	1.0	0.300	MI3216-102-1A-LF

- Test equipment : Agilent/HP-4291A impedance analyzer or equipment .
- Operating temperature range -55°C to +125°C, Electrical specifications at 25°C.

Multilayer High Current Chip Beads

MI3225



Top view dimensions: 3.2±0.2 mm (length), 2.5±0.2 mm (width).
Side view dimensions: 0.5±0.3 mm (thickness), 1.3±0.2 mm (height).

- Size : 3.2x2.5x1.3 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

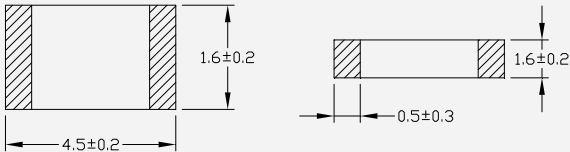
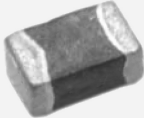
Terminals : Lead-free tinned
Solderability : Reflow soldering
Delivery mode : Tape & reel packing
Packing unit : 2000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
52	±25%	100	3.0	0.030	MI3225-520-3A-LF
52		100	6.0	0.008	MI3225-520-6A-LF
60		100	3.0	0.030	MI3225-600-3A-LF
60		100	6.0	0.020	MI3225-600-6A-LF
1000		100	2.0	0.090	MI3225-102-2A-LF

- Test equipment : Agilent/HP-4291A impedance analyzer or equipment .
- Operating temperature range -55°C to +125°C, Electrical specifications at 25°C.

Multilayer High Current Chip Beads

MI4516



- Size : 4.5x1.6x1.6 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

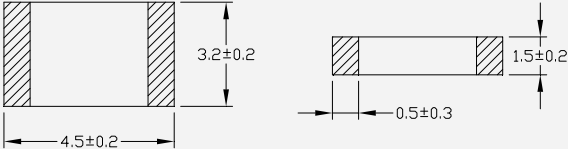
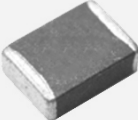
Packing unit : 2000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
60	±25%	100	3.0	0.040	MI4516-600-3A-LF
60		100	6.0	0.010	MI4516-600-6A-LF
75		100	8.0	0.010	MI4516-750-8A-LF
80		100	6.0	0.020	MI4516-800-6A-LF
100		100	6.0	0.020	MI4516-101-6A-LF
180		100	3.0	0.040	MI4516-181-3A-LF
470		100	2.0	0.090	MI4516-471-2A-LF

● Operating temperature range -55°C to +125°C, Electrical specifications at 25°C.

Multilayer High Current Chip Beads

MI4532



Top view dimensions: 4.5 ± 0.2 mm (length), 3.2 ± 0.2 mm (width).
Side view dimensions: 1.5 ± 0.2 mm (height), 0.5 ± 0.3 mm (terminal width).

- Size : 4.5x3.2x1.5 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

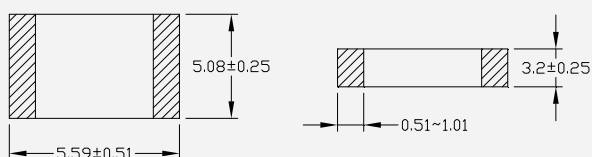
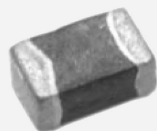
Terminals : Lead-free tinned
Solderability : Reflow soldering
Delivery mode : Tape & reel packing
Packing unit : 1000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
60	±25%	100	6.0	0.008	MI4532-600-6A-LF
70		100	6.0	0.008	MI4532-700-6A-LF
120		100	3.0	0.040	MI4532-121-3A-LF
150		100	3.0	0.040	MI4532-151-3A-LF
680		100	3.0	0.040	MI4532-681-3A-LF
1300		100	3.0	0.040	MI4532-132-3A-LF

- Operating temperature range -55°C to +125°C, Electrical specifications at 25°C.

Multilayer High Current Chip Beads

MI5650



■ Size : 5.59x5.08x3.2 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Delivery mode : Tape & reel packing

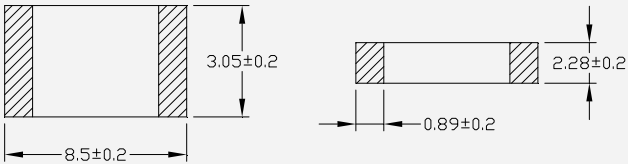
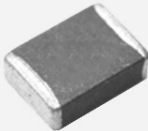
Packing unit : 2000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
170	±25%	100	4.0	0.030	MI5650-171-4A-LF
100		100	6.0	0.006	MI5650-101-6A-LF
150		100	5.0	0.015	MI5650-151-5A-LF
180		100	5.0	0.020	MI5650-181-5A-LF
250		100	4.0	0.015	MI5650-251-4A-LF
270		100	4.0	0.035	MI5650-271-4A-LF
300		100	5.0	0.020	MI5650-301-5A-LF
400		100	4.5	0.030	MI5650-401-4.5A-LF

- Test equipment : Agilent/HP-4291A impedance analyzer or equipment .
- Operating temperature range -55°C to +125°C, Electrical specifications at 25°C.

Multilayer High Current Chip Beads

MI8530



Top view dimensions: 8.5±0.2 mm (length), 3.05±0.2 mm (width).
Side view dimensions: 0.89±0.2 mm (terminal width), 2.28±0.2 mm (height).

- Size : 8.5x3.05x2.28 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

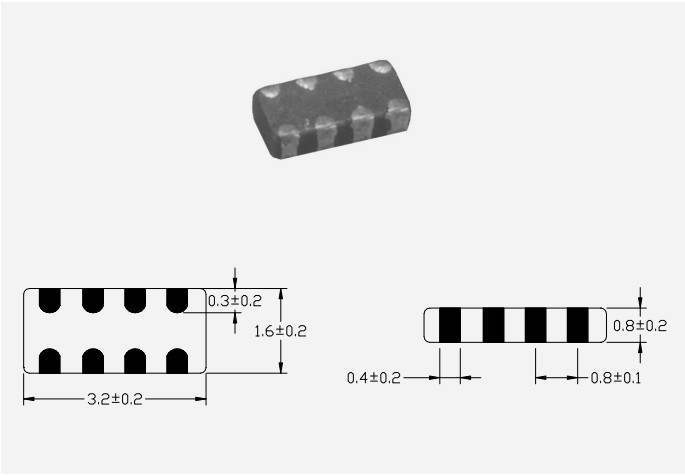
Terminals : Lead-free tinned
Solderability : Reflow soldering
Delivery mode : Tape & reel packing
Packing unit : 2500 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
100	±25%	100	10.0	0.004	MI8530-101-10A-LF

- Test equipment : Agilent/HP-4291A impedance analyzer or equipment .
- Operating temperature range -55°C to +125°C , Electrical specifications at 25°C .

Multilayer Array Chip Beads

MA3216



- Size : 3.2x1.6x0.8 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

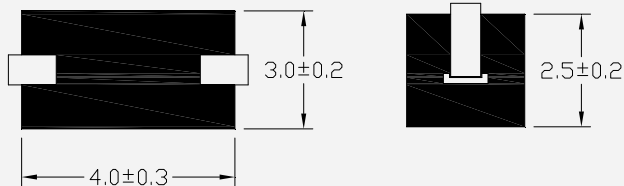
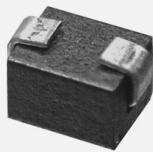
Terminals : Lead-free tinned
Solderability : Reflow soldering
Delivery mode : Tape & reel packing
Packing unit : 3000 pcs/reel

IMPEDANCE (Ω)	Tolerance	f _L MHz	IDC (mA) (Max.)	DCR (Ω) (Max.)	Ordering code
30	±25%	100	350	0.40	MA3216-300-LF
60		100	200	0.25	MA3216-600-LF
120		100	150	0.80	MA3216-121-LF
220		100	150	0.80	MA3216-221-LF
300		100	150	0.30	MA3216-301-LF
470		100	100	0.55	MA3216-471-LF
600		100	100	0.65	MA3216-601-LF
1000		100	50	0.80	MA3216-102-LF

- Test equipment : Agilent/HP-4291A impedance analyzer or equipment .
- Operating temperature range -40℃ to +125℃.
- Electrical specifications at 25℃.

SMD EMI FILTER

SMB403025



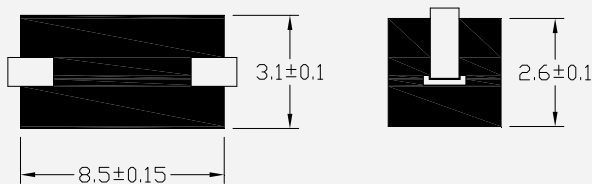
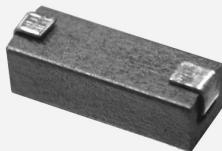
- Size : 4.0x3.0x2.5 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

Terminals : Lead-free tinned
Solderability : Reflow soldering
Delivery mode : Tape & reel packing
Packing unit : 500 pcs/reel

Z (Ω) @ 25MHz	Z (Ω) @ 100MHz	IDC (A) (Max.)	DCR (Ω) (Max.)	Ordering code
24 Min.	36 Min.	5	0.6	C4S SMB403025-LF

- Operating temperature range -40℃ to +125℃, Electrical specifications at 25℃.

SMB853025



- Size : 8.5x3.1x2.6 (mm)
- Core material : Ferrite
- Magnetically shielded
- RoHS-compatible

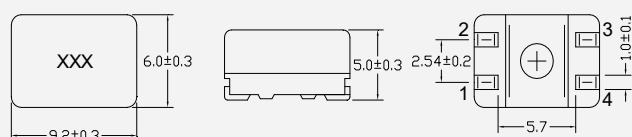
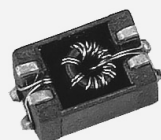
Terminals : Lead-free tinned
Solderability : Reflow soldering
Delivery mode : Tape & reel packing
Packing unit : 500 pcs/reel

Z (Ω) @ 25MHz	Z (Ω) @ 100MHz	IDC (A) (Max.)	DCR (mΩ) (Max.)	Ordering code
54 Min.	90±20%	5	4.65	C4S SMB853025-LF

- Operating temperature range -40℃ to +125℃, Electrical specifications at 25℃.

SMT EMI Line Filter

SLF95



■ Size : 9.2x6.0x5.0 (mm)

■ Core material : Ferrite

■ Magnetically shielded

■ RoHS-compatible

Terminals : Lead-free tinned

Solderability : Reflow soldering

Marking : L value (μH, coded)

Delivery mode : Tape & reel packing

Packing unit : 1000 pcs/reel

INDUCTANCE (μH)	Tolerance	f _L MHz	IDC (mA) (Max.)	DCR (Ω) (Max.)	Impedance (Z) ohm (Min.)	Ordering code
11	±50%=Y	0.001	200	0.08	200	SLF95-110Y-LF
25		0.001	600	0.16	600	SLF95-250Y-LF
40		0.001	800	0.25	800	SLF95-400Y-LF
50		0.001	1500	0.32	1500	SLF95-500Y-LF
250		0.1	600	0.13	600	SLF95-251Y-LF
470		0.1	1000	0.14	1000	SLF95-471Y-LF
500		0.1	1000	0.15	1000	SLF95-501Y-LF
1000		0.1	1500	0.31	1500	SLF95-102Y-LF
2000		0.1	3000	0.42	3000	SLF95-202Y-LF
4700		0.1	4000	0.90	4000	SLF95-472Y-LF
6500		0.1	5000	1.05	5000	SLF95-652Y-LF

- Test equipment : Inductance value : HP4284A LCR meter ; Impedance value : HP4194A LCR Meter .
- Rated current : 40°C temperature rise from 25°C ambient.
- Operating temperature range -40°C to +125°C. Electrical specifications at 25°C.

[illegible]