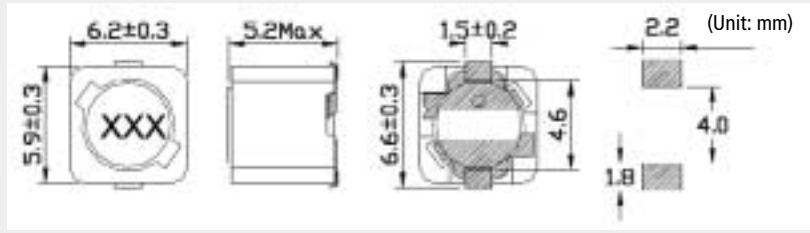


POWER INDUCTOR (SHIELDED)

POWER CHOKE - SC603H SERIES

EXTERNAL DIMENSIONS



Test Equipment and Conditions

- Inductance is measured with HP-4284A LCR meter or equivalent.
- Maximum allowable DC current which causes 35% inductance reduction of the initial value , or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).
- Operating Temperature Range : -25°C to +85°C.
- Suitable for lead free solderin.

Specifications

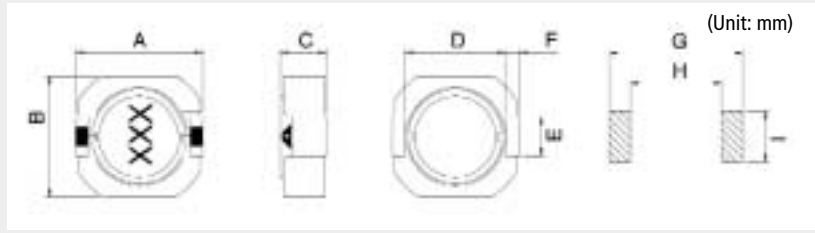
Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω) max.	Rated DC Current (A) max.
SC603H-100 □	10	100	0.095	1.35
SC603H-120 □	12	100	0.110	1.20
SC603H-150 □	15	100	0.130	1.10
SC603H-180 □	18	100	0.170	1.00
SC603H-220 □	22	100	0.180	0.91
SC603H-270 □	27	100	0.200	0.82
SC603H-330 □	33	100	0.230	0.75
SC603H-390 □	39	100	0.290	0.69
SC603H-470 □	47	100	0.445	0.62
SC603H-560 □	56	100	0.490	0.58
SC603H-680 □	68	100	0.550	0.52
SC603H-820 □	82	100	0.710	0.47
SC603H-101 □	100	100	0.850	0.43
SC603H-121 □	120	100	0.880	0.39
SC603H-151 □	150	100	1.040	0.35
SC603H-181 □	180	100	1.470	0.32
SC603H-221 □	220	100	1.630	0.29
SC603H-271 □	270	100	1.860	0.26
SC603H-331 □	330	100	2.670	0.23
SC603H-391 □	390	100	2.940	0.22
SC603H-471 □	470	100	3.370	0.20
SC603H-561 □	560	100	3.730	0.18
SC603H-681 □	680	100	4.160	0.17
SC603H-821 □	820	100	5.460	0.15
SC603H-102 □	1000	100	6.320	0.14

NOTE: □ Tolerance value: K = ±10%, L = ±15%, M = ±20%.

POWER INDUCTOR (SHIELDED)

POWER CHOKE - RLC62L/RLC62/RLC63L/RLC63 SERIES

EXTERNAL DIMENSIONS



Test Equipment and Conditions

- Inductance is measured with HP-4284A LCR meter or equivalent.
- Maximum allowable DC current which causes 30% inductance reduction of the initial value , or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).
- Operating Temperature Range : -25°C to +85°C.

Features

- Low profile.
- Magnetically shielded and low DC resistance.
- Suitable for large currents.
- Available on tape and reel for auto-insertion.
- Suitable for lead free soldering.

Applications

- Ideal use in variety of DC-DC converter inductor applications.

Solder Land Information

Type	A	B	C	D	E	F	G	H	I
RLC62L	6.3max.	6.2max.	2.0max.	4.8	2.0	0.6	6.6	4.6	2.6
RLC62	6.3max.	6.2max.	2.5max.	4.8	2.0	0.6	6.6	4.6	2.6
RLC63L	6.3max.	6.2max.	3.0max.	4.8	2.0	0.6	6.6	4.6	2.6
RLC63	6.3max.	6.2max.	3.5max.	4.8	2.0	0.6	6.6	4.6	2.6

POWER INDUCTOR (SHIELDED)

POWER CHOKE - RLC62L/RLC62 SERIES

Specifications

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (mΩ) max.	Isat (A) max.	Irms (A) max.
RLC62L-1R2 □	1.2	100	29.8	3.50	3.30
RLC62L-1R5 □	1.5	100	42.3	2.94	2.99
RLC62L-2R0 □	2.0	100	45.6	2.47	2.33
RLC62L-3R3 □	3.3	100	68	1.99	1.97
RLC62L-4R7 □	4.7	100	86	1.59	1.54
RLC62L-6R2 □	6.2	100	112	1.49	1.45
RLC62L-8R2 □	8.2	100	138	1.25	1.23
RLC62L-100 □	10	100	172	1.22	1.09
RLC62L-120 □	12	100	190	0.99	1.10
RLC62L-150 □	15	100	248	0.94	0.82
RLC62L-180 □	18	100	264	0.83	0.80
RLC62L-220 □	22	100	330	0.80	0.74
RLC62L-270 □	27	100	364	0.65	0.65
RLC62L-330 □	33	100	560	0.63	0.56
RLC62L-390 □	39	100	580	0.55	0.56
RLC62L-470 □	47	100	690	0.50	0.52
RLC62-R82 □	0.82	100	13	3.48	3.84
RLC62-1R2 □	1.2	100	18	2.83	3.40
RLC62-1R8 □	1.8	100	23	2.44	3.10
RLC62-2R7 □	2.7	100	33	1.89	2.55
RLC62-3R3 □	3.3	100	43	1.65	2.23
RLC62-5R6 □	5.6	100	57	1.37	1.85
RLC62-100 □	10	100	97	1.07	1.48
RLC62-120 □	12	100	116	0.97	1.35
RLC62-150 □	15	100	144	0.87	1.24
RLC62-180 □	18	100	163	0.79	1.11
RLC62-220 □	22	100	179	0.71	1.00
RLC62-270 □	27	100	246	0.64	0.86
RLC62-330 □	33	100	304	0.58	0.80
RLC62-390 □	39	100	341	0.53	0.70
RLC62-470 □	47	100	367	0.48	0.63
RLC62-560 □	56	100	438	0.44	0.58
RLC62-680 □	68	100	491	0.40	0.53
RLC62-820 □	82	100	596	0.36	0.49
RLC62-101 □	100	100	917	0.33	0.43

NOTE: □ Tolerance value: M = ±20%, N = ±30%.

POWER INDUCTOR (SHIELDED)

POWER CHOKE - RLC63L/RLC63 SERIES

Specifications

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (mΩ) max.	Isat (A) max.	Irms (A) max.
RLC63L-1R0 □	1.0	100	13	3.59	4.03
RLC63L-1R5 □	1.5	100	18	2.93	3.63
RLC63L-2R2 □	2.2	100	21	2.42	3.30
RLC63L-3R3 □	3.3	100	27	1.89	2.83
RLC63L-4R7 □	4.7	100	39	1.66	2.45
RLC63L-6R2 □	6.2	100	53	1.45	2.20
RLC63L-100 □	10	100	79	1.14	1.77
RLC63L-120 □	12	100	94	1.04	1.70
RLC63L-150 □	15	100	115	0.93	1.55
RLC63L-180 □	18	100	130	0.85	1.41
RLC63L-220 □	22	100	145	0.77	1.23
RLC63L-270 □	27	100	157	0.70	1.08
RLC63L-330 □	33	100	211	0.63	0.99
RLC63L-390 □	39	100	233	0.58	0.95
RLC63L-470 □	47	100	276	0.53	0.84
RLC63L-560 □	56	100	308	0.48	0.76
RLC63L-680 □	68	100	330	0.44	0.69
RLC63L-820 □	82	100	445	0.40	0.61
RLC63L-101 □	100	100	540	0.36	0.54
RLC63L-151 □	150	100	700	0.31	0.42
RLC63-2R0 □	2.0	100	22	3.00	3.31
RLC63-2R7 □	2.7	100	24	2.69	3.12
RLC63-3R3 □	3.3	100	27	2.57	2.81
RLC63-4R7 □	4.7	100	36	2.08	2.51
RLC63-6R8 □	6.8	100	46	1.84	2.41
RLC63-8R2 □	8.2	100	52	1.54	2.11
RLC63-100 □	10	100	59	1.49	1.97
RLC63-120 □	12	100	70	1.28	1.73
RLC63-150 □	15	100	91	1.10	1.54
RLC63-180 □	18	100	104	1.05	1.52
RLC63-220 □	22	100	148	0.97	1.29
RLC63-270 □	27	100	158	0.82	1.11
RLC63-330 □	33	100	173	0.76	1.02
RLC63-390 □	39	100	205	0.70	0.96
RLC63-470 □	47	100	226	0.68	0.89
RLC63-560 □	56	100	275	0.60	0.80
RLC63-680 □	68	100	321	0.56	0.71
RLC63-820 □	82	100	369	0.47	0.61
RLC63-101 □	100	100	495	0.45	0.57
RLC63-151 □	150	100	640	0.37	0.48

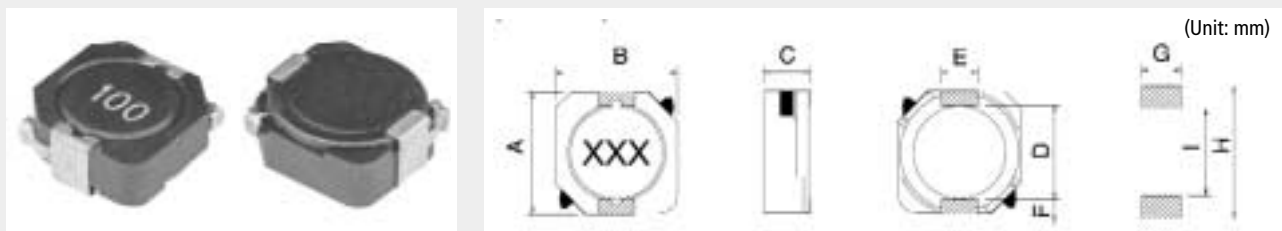
NOTE: □ Tolerance value: M = ±20%, N = ±30%.

POWER INDUCTOR (SHIELDED)

POWER CHOKE - TSB104R SERIES



EXTERNAL DIMENSIONS



Features

- Magnetic shielded surface mount inductor with high current rating.
- High inductance with Large rated current.
- Suitable for lead free soldering.
- ROHS compliant.

Applications

- Ideal use in variety of DC-DC converter inductor applications.

Solder Land Information

Type	A	B	C	D	E	F	G	H	I
TSB104R*1	10.4max.	10.3max.	4.0max.	7.7	3.0	1.2	3.6	10.7	7.3

Test Equipment and Conditions

- Inductance is measured with HP-4284A LCR meter or equivalent.
- 1. maximum allowable DC current is that which causes a 35% inductance reduction of the initial value, or coil temperature to rise by 30°C, whichever is smaller. (Reference ambient temperature 20°C).
- 2. Maximum allowable DC current is that which causes a 30% inductance reduction of the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).
- Operating Temperature Range : -25°C to +85°C.

POWER INDUCTOR (SHIELDED)

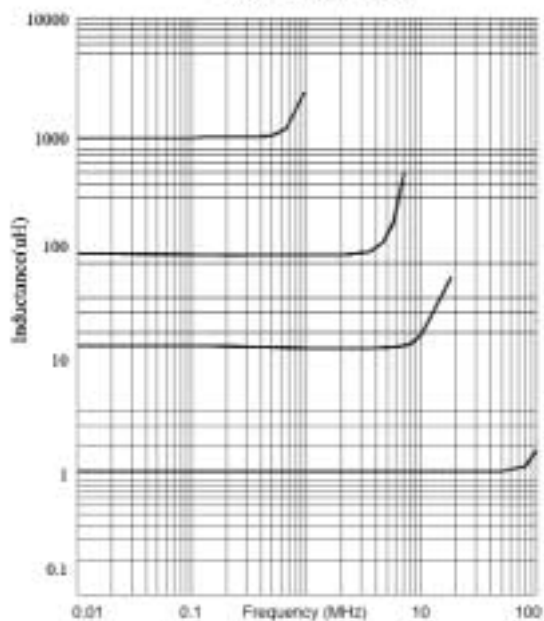
POWER CHOKE - TSB104R SERIES

Specifications

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω) max.	Rated DC Current (A) max.
TSB104R-1R5 □	1.5	100	0.012	7.00
TSB104R-2R7 □	2.7	100	0.018	6.30
TSB104R-4R4 □	4.4	100	0.025	5.70
TSB104R-5R6 □	5.6	100	0.029	5.30
TSB104R-6R8 □	6.8	100	0.032	5.00
TSB104R-7R5 □	7.5	100	0.037	4.80
TSB104R-120 □	12	100	0.050	4.20
TSB104R-150 □	15	100	0.070	3.60
TSB104R-220 □	22	100	0.100	2.90
TSB104R-330 □	33	100	0.150	2.30
TSB104R-470 □	47	100	0.185	2.10
TSB104R-680 □	68	100	0.310	1.50
TSB104R-101 □	100	100	0.410	1.35
TSB104R-151 □	150	100	0.560	1.15
TSB104R-221 □	220	100	0.870	0.92
TSB104R-331 □	330	100	1.250	0.70
TSB104R-471 □	470	100	1.650	0.50
TSB104R-681 □	680	100	3.100	0.30
TSB104R-102 □	1000	100	5.500	0.20

NOTE: □ Tolerance value: K = ±10%, M = ±20%, N = ±30%.

Typical L vs Frequency



Typical L vs Current

