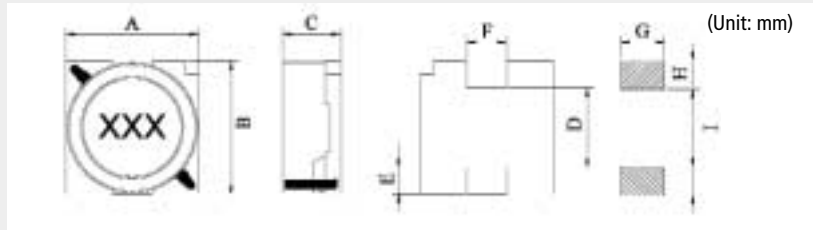


POWER INDUCTOR (SHIELDED)

POWER CHOKE - RLF6025/RLF6028 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

- Magnetic shielded surface mount inductor with high current rating.
- Low profile for space-conscious applications.
- Low resistance to keep power loss to a minimum.
- Suitable for lead free soldering.

Applications

- For power line DC-DC conversion applications used in hard disk, notebook computers and other electronic equipment.

Solder Land Information

Type	A	B	C	D	E	F	G	H	I
RLF6025	6.0±0.3	6.2±0.3	2.5±0.3	3.0	1.5	2.0	2.2	2.0	3.0
RLF6028	6.0±0.3	6.2±0.3	2.8±0.3	3.0	1.5	2.0	2.2	2.0	3.0

POWER INDUCTOR (SHIELDED)

POWER CHOKE - RLF6025/RLF6028 SERIES

Specifications

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω) max.	Isat (A) max.	Irms (A) max.
RLF6025-4R7 □	4.7	1	0.038	1.50	1.80
RLF6025-6R8 □	6.8	1	0.052	1.30	1.50
RLF6025-100 □	10	1	0.085	1.00	1.30
RLF6025-150 □	15	1	0.130	0.88	1.10
RLF6025-220 □	22	1	0.180	0.73	0.94
RLF6025-330 □	33	1	0.290	0.59	0.79
RLF6025-470 □	47	1	0.390	0.48	0.67
RLF6025-680 □	68	1	0.520	0.42	0.54
RLF6025-101 □	100	1	0.850	0.33	0.47
RLF6025-151 □	150	1	2.000	0.30	0.45
RLF6025-221 □	220	1	3.000	0.25	0.39
RLF6025-331 □	330	1	4.500	0.21	0.32
RLF6025-471 □	470	1	6.800	0.18	0.24
RLF6025-681 □	680	1	12.00	0.15	0.20

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

Specifications

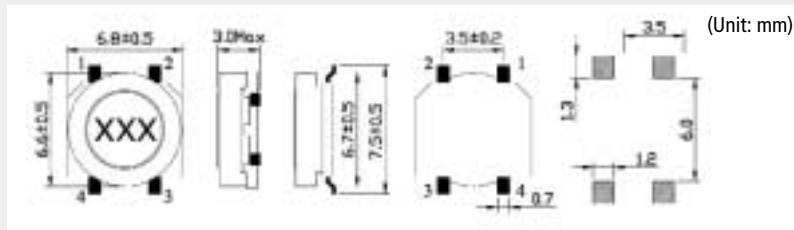
Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (mΩ) max.	Isat (A) max.	Irms (A) max.
RLF6028-4R7 □	4.7	1	29.5	1.60	3.00
RLF6028-6R8 □	6.8	1	47.0	1.50	2.50
RLF6028-100 □	10	1	74.0	1.00	2.00
RLF6028-150 □	15	1	101	0.90	1.50
RLF6028-220 □	22	1	141	0.77	1.00
RLF6028-330 □	33	1	207	0.69	0.90
RLF6028-470 □	47	1	319	0.59	0.80
RLF6028-680 □	68	1	425	0.50	0.70
RLF6028-820 □	82	1	586	0.45	0.60
RLF6028-101 □	100	1	643	0.42	0.50
RLF6028-151 □	150	1	938	0.30	0.40
RLF6028-221 □	220	1	1363	0.20	0.30
RLF6028-331 □	330	1	2335	0.20	0.25
RLF6028-471 □	470	1	3421	0.15	0.20
RLF6028-681 □	680	1	5023	0.10	0.15
RLF6028-821 □	820	1	6726	0.09	0.12
RLF6028-102 □	1000	1	7710	0.08	0.10

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

POWER INDUCTOR (SHIELDED)

POWER CHOKE - RLS62 SERIES

EXTERNAL DIMENSIONS



Test Equipment and Conditions:

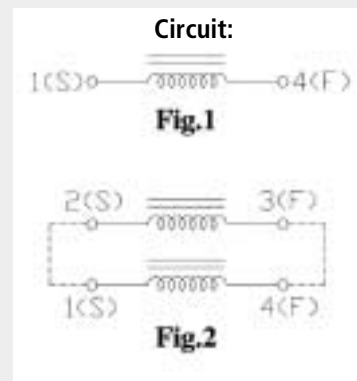
- Inductance is measured with HP-4284A LCR meter or equivalent.
- Inductance drops 10% typical at Isat level with temperature rise under 40°C in accordance with Irms measurement.
- Operating Temperature Range : -25° to +85°C.

Features

- Suitable for lead free soldering.

Applications

- VTR, OA equipment, LCD television sets, notebook PC, portable communication equipments, DC/DC converters, etc.



Specifications

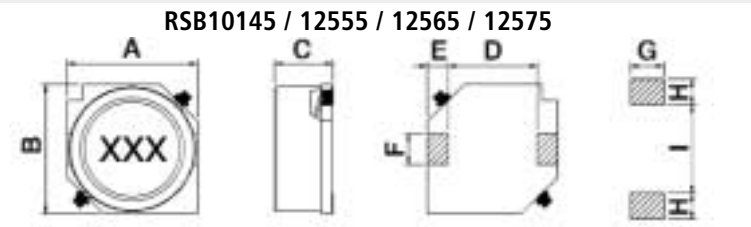
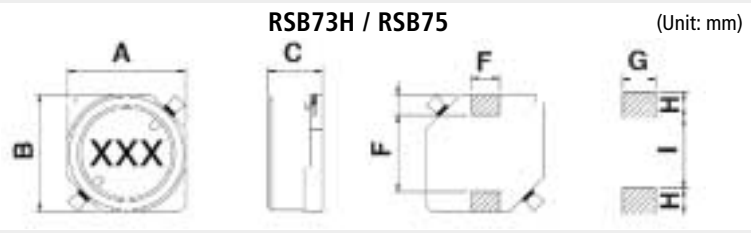
Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω) max.	Isat (mA) max.	Irms (mA) max.	Circuit Fig.
RLS62-100 □	10	100	0.200	700	800	2
RLS62-120 □	12	100	0.220	616	750	2
RLS62-150 □	15	100	0.291	572	700	2
RLS62-180 □	18	100	0.307	524	650	2
RLS62-220 □	22	100	0.355	468	600	2
RLS62-270 □	27	100	0.412	432	560	1
RLS62-330 □	33	100	0.456	392	530	1
RLS62-390 □	39	100	0.580	372	500	1
RLS62-470 □	47	100	0.671	340	450	1
RLS62-560 □	56	100	0.735	284	400	1
RLS62-680 □	68	100	0.981	276	360	1
RLS62-820 □	82	100	1.11	256	330	1
RLS62-101 □	100	1	1.25	228	300	1
RLS62-121 □	120	1	1.40	208	280	1
RLS62-151 □	150	1	1.85	188	260	1
RLS62-181 □	180	1	2.11	168	240	1
RLS62-221 □	220	1	2.54	160	220	1
RLS62-271 □	270	1	4.13	144	200	2
RLS62-331 □	330	1	4.35	128	180	2
RLS62-391 □	390	1	4.86	120	160	2
RLS62-471 □	470	1	6.64	104	140	1
RLS62-561 □	560	1	7.25	96	120	1
RLS62-681 □	680	1	8.18	88	100	1
RLS62-821 □	820	1	9.68	80	90	1
RLS62-102 □	1000	1	15.4	72	80	1

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

POWER INDUCTOR (SHIELDED)

POWER CHOKE - RSB73H~RSB12575 SERIES

EXTERNAL DIMENSIONS



Test Equipment and Conditions

- Inductance is measured with HP-4284A LCR meter or equivalent.
- Maximum allowable DC current which causes 10% 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

- Magnetic shielded surface mount inductor with high current rating.
- Low profile for space-conscious applications.
- Low resistance to keep power loss to a minimum.
- Suitable for lead free soldering.

Applications

- For power line DC-DC conversion applications used in hard disk, notebook computers and other electronic equipment.

Solder Land Information

Type	A	B	C	D	E	F	G	H	I
RSB73H	7.6max.	7.6max.	3.9max.	4.6	1.2	1.7	2.7	2.0	4.4
RSB75	7.6max.	7.6max.	5.2max.	4.6	1.2	1.7	2.7	2.0	4.4
RSB10145	10.1±0.3	10.1±0.3	4.5±0.3	6.0±0.2	2.0±0.15	3.0±0.1	3.2	2.5	5.6
RSB12555	12.5±0.3	12.5±0.3	5.5±0.3	8.6±0.3	2.0±0.15	3.0±0.1	3.2	2.5	8.6
RSB12565	12.5±0.3	12.5±0.3	6.5±0.35	8.6±0.3	2.0±0.15	3.0±0.1	3.2	2.5	8.6
RSB12575	12.5±0.3	12.5±0.3	7.5±0.35	8.6±0.3	2.0±0.15	3.0±0.1	3.2	2.5	8.6

POWER INDUCTOR (SHIELDED)

POWER CHOKE - RSB73H/RSB75 SERIES

Specifications

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω) max.	Rated DC Current (A) max.
RSB73H-3R3 □	3.3	100	0.025	1.92
RSB73H-4R7 □	4.7	100	0.033	1.59
RSB73H-6R8 □	6.8	100	0.044	1.37
RSB73H-100 □	10	100	0.055	1.11
RSB73H-150 □	15	100	0.087	0.92
RSB73H-220 □	22	100	0.114	0.74
RSB73H-330 □	33	100	0.170	0.61
RSB73H-470 □	47	100	0.213	0.50
RSB73H-680 □	68	100	0.355	0.43
RSB73H-101 □	100	100	0.447	0.32
RSB73H-151 □	150	100	0.644	0.28
RSB73H-221 □	220	100	1.120	0.23
RSB73H-331 □	330	100	1.650	0.20
RSB73H-471 □	470	100	2.370	0.16
RSB75-1R0 □	1.0	100	0.020	2.80
RSB75-1R5 □	1.5	100	0.024	2.59
RSB75-2R2 □	2.2	100	0.028	2.38
RSB75-3R3 □	3.3	100	0.034	2.14
RSB75-4R7 □	4.7	100	0.039	1.96
RSB75-6R8 □	6.8	100	0.050	1.79
RSB75-100 □	10	100	0.055	1.63
RSB75-120 □	12	100	0.073	1.42
RSB75-150 □	15	100	0.081	1.33
RSB75-180 □	18	100	0.102	1.15
RSB75-220 □	22	100	0.115	1.09
RSB75-270 □	27	100	0.159	0.91
RSB75-330 □	33	100	0.182	0.84
RSB75-390 □	39	100	0.199	0.80
RSB75-470 □	47	100	0.221	0.75
RSB75-560 □	56	100	0.306	0.64
RSB75-680 □	68	100	0.345	0.60
RSB75-820 □	82	100	0.390	0.57
RSB75-101 □	100	100	0.432	0.50
RSB75-121 □	120	100	0.440	0.47
RSB75-151 □	150	100	0.730	0.40
RSB75-181 □	180	100	0.780	0.39
RSB75-221 □	220	100	0.940	0.33
RSB75-271 □	270	100	1.250	0.31
RSB75-331 □	330	100	1.400	0.27
RSB75-391 □	390	100	1.520	0.27
RSB75-471 □	470	100	1.700	0.25
RSB75-561 □	560	100	2.390	0.22

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

POWER INDUCTOR (SHIELDED)

POWER CHOKE - RSB10145/RSB12555 SERIES

Specifications

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω) max.	Isat (A) max.	Irms (A) max.
RSB10145-100 □	10	10	0.0436	3.0	2.5
RSB10145-150 □	15	10	0.0566	2.4	2.2
RSB10145-220 □	22	10	0.0709	2.1	1.9
RSB10145-330 □	33	10	0.0978	1.6	1.7
RSB10145-470 □	47	10	0.120	1.4	1.5
RSB10145-680 □	68	10	0.168	1.2	1.3
RSB10145-101 □	100	10	0.240	1.0	1.1
RSB10145-151 □	150	10	0.420	0.79	0.81
RSB10145-221 □	220	10	0.564	0.65	0.70
RSB10145-331 □	330	10	0.816	0.54	0.58
RSB10145-471 □	470	10	1.236	0.47	0.47
RSB10145-681 □	680	10	1.96	0.38	0.38
RSB10145-102 □	1000	10	3.36	0.32	0.29
RSB10145-152 □	1500	10	4.08	0.22	0.26
RSB12555-6R3 □	6.3	10	0.0196	3.60	4.90
RSB12555-100 □	10	10	0.0258	3.40	4.30
RSB12555-150 □	15	10	0.0310	2.80	3.90
RSB12555-220 □	22	10	0.0456	2.30	3.40
RSB12555-330 □	33	10	0.0564	1.90	3.10
RSB12555-470 □	47	10	0.0741	1.60	2.50
RSB12555-680 □	68	10	0.119	1.30	2.20
RSB12555-101 □	100	10	0.164	1.10	1.80
RSB12555-151 □	150	10	0.265	0.88	1.40
RSB12555-221 □	220	10	0.324	0.72	1.20
RSB12555-331 □	330	10	0.492	0.59	1.00
RSB12555-471 □	470	10	0.744	0.49	0.88
RSB12555-681 □	680	10	1.06	0.43	0.73
RSB12555-102 □	1000	10	1.52	0.34	0.60
RSB12555-152 □	1500	10	2.23	0.29	0.48

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

POWER INDUCTOR (SHIELDED)

POWER CHOKE - RSB12565/RSB12575 SERIES

Specifications

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω) max.	Isat (A) max.	Irms (A) max.
RSB12565-2R0 □	2.0	10	0.0140	10.0	6.2
RSB12565-4R2 □	4.2	10	0.0180	7.3	5.5
RSB12565-7R0 □	7.0	10	0.0212	5.7	5.0
RSB12565-100 □	10	10	0.0242	5.0	4.8
RSB12565-150 □	15	10	0.0284	4.2	4.4
RSB12565-220 □	22	10	0.0379	3.5	3.8
RSB12565-330 □	33	10	0.0487	2.8	3.4
RSB12565-470 □	47	10	0.0693	2.4	2.8
RSB12565-680 □	68	10	0.0944	2.0	2.4
RSB12565-101 □	100	10	0.147	1.6	1.9
RSB12565-221 □	220	10	0.327	1.0	1.2
RSB12575-1R2 □	1.2	10	0.0083	13.0	8.2
RSB12575-2R7 □	2.7	10	0.0113	10.0	7.0
RSB12575-3R9 □	3.9	10	0.0125	9.0	6.7
RSB12575-5R6 □	5.6	10	0.0139	7.8	6.3
RSB12575-6R8 □	6.8	10	0.0157	7.2	5.9
RSB12575-100 □	10	10	0.0187	5.5	5.4
RSB12575-150 □	15	10	0.0221	4.7	5.0
RSB12575-220 □	22	10	0.0316	4.0	4.0
RSB12575-330 □	33	10	0.0474	3.2	3.4
RSB12575-470 □	47	10	0.0634	2.7	3.0
RSB12575-680 □	68	10	0.0934	2.0	2.4
RSB12575-101 □	100	10	0.150	1.9	1.9
RSB12575-151 □	150	10	0.210	1.5	1.6
RSB12575-221 □	220	10	0.310	1.3	1.3

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