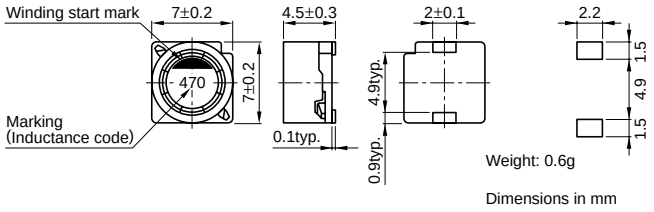
Inductors

For Power Line
SMD

SLF Series SLF7045 Type

SHAPES AND DIMENSIONS/RECOMMENDED PC BOARD PATTERN



ELECTRICAL CHARACTERISTICS

Inductance (µH)	Inductance tolerance (%)	Test frequency L (kHz)	DC resistance (Ω)±20%	Rated current(A)* max.		Part No.
				Based on inductance change	Based on temperature rise	
3.3	±20	1	0.02	2.5	2.3	SLF7045T-3R3M2R5
4.7	±20	1	0.03	2	2.1	SLF7045T-4R7M2R0
6.8	±20	1	0.039	1.7	1.74	SLF7045T-6R8M1R7
10	±20	1	0.036	1.3	1.78	SLF7045T-100M1R3
15	±20	1	0.052	1.1	1.53	SLF7045T-150M1R1
22	±20	1	0.061	0.9	1.34	SLF7045T-220MR90
33	±20	1	0.096	0.82	1.09	SLF7045T-330MR82
47	±20	1	0.125	0.75	0.92	SLF7045T-470MR75
68	±20	1	0.175	0.6	0.77	SLF7045T-680MR60
100	±20	1	0.25	0.5	0.65	SLF7045T-101MR50
150	±20	1	0.34	0.4	0.55	SLF7045T-151MR40
220	±20	1	0.52	0.33	0.45	SLF7045T-221MR33
330	±20	1	0.74	0.25	0.37	SLF7045T-331MR25
470	±20	1	1.05	0.22	0.31	SLF7045T-471MR22
680	±20	1	1.48	0.2	0.27	SLF7045T-681MR20
1000	±20	1	2.28	0.14	0.25	SLF7045T-102MR14

* Rated current: Value obtained when current flows and the temperature has risen to 20°C or when DC current flows and the initial value of inductance has fallen by 10%, whichever is smaller.

• Test equipment L:YHP 4194A IMPEDANCE GAIN/PHASE ANALYZER or equivalent (Measured at 1kHz/0.5V)
Rdc:MATSUSHITA,VP-2941A DIGITAL MILLIOHM METER or equivalent

TYPICAL ELECTRICAL CHARACTERISTICS

INDUCTANCE CHANGE vs. DC SUPERPOSITION CHARACTERISTICS