

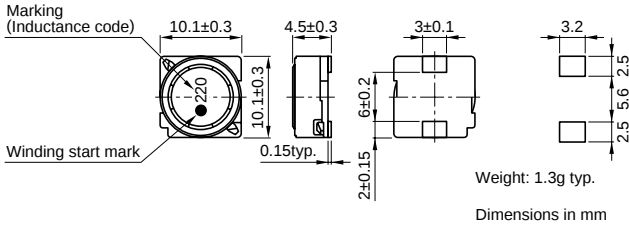
Inductors

For Power Line

SMD

SLF Series SLF10145 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	
10	±20	1	0.0364	3	2.5	SLF10145T-100M2R5
15	±20	1	0.0472	2.4	2.2	SLF10145T-150M2R2
22	±20	1	0.0591	2.1	1.9	SLF10145T-220M1R9
33	±20	1	0.0815	1.6	1.7	SLF10145T-330M1R6
47	±20	1	0.1	1.4	1.5	SLF10145T-470M1R4
68	±20	1	0.14	1.2	1.3	SLF10145T-680M1R2
100	±20	1	0.2	1	1.1	SLF10145T-101M1R0
150	±20	1	0.35	0.79	0.81	SLF10145T-151MR79
220	±20	1	0.47	0.65	0.7	SLF10145T-221MR65
330	±20	1	0.68	0.54	0.58	SLF10145T-331MR54
470	±20	1	1.03	0.47	0.47	SLF10145T-471MR47
680	±20	1	1.6	0.38	0.38	SLF10145T-681MR38
1000	±20	1	2.8	0.32	0.29	SLF10145T-102MR29
1500	±20	1	3.4	0.22	0.26	SLF10145T-152MR22

* Rated current: Value obtained when current flows and the temperature has risen to 30°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

