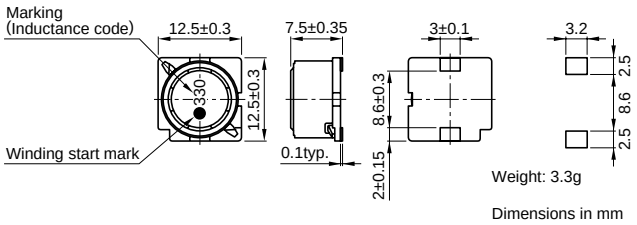
Inductors

For Power Line
SMD

SLF Series SLF12575 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	
1.2	±30	1	0.0069	13	8.2	SLF12575T-1R2N8R2
2.7	±30	1	0.0094	10	7	SLF12575T-2R7N7R0
3.9	±30	1	0.0104	9	6.7	SLF12575T-3R9N6R7
5.6	±30	1	0.0116	7.8	6.3	SLF12575T-5R6N6R3
6.8	±30	1	0.0131	7.2	5.9	SLF12575T-6R8N5R9
10	±20	1	0.0156	5.5	5.4	SLF12575T-100M5R4
15	±20	1	0.0184	4.7	5	SLF12575T-150M4R7
22	±20	1	0.0263	4	4	SLF12575T-220M4R0
33	±20	1	0.0395	3.2	3.4	SLF12575T-330M3R2
47	±20	1	0.0528	2.7	3	SLF12575T-470M2R7
68	±20	1	0.0778	2	2.4	SLF12575T-680M2R0
100	±20	1	0.125	1.9	1.9	SLF12575T-101M1R9
150	±20	1	0.175	1.5	1.6	SLF12575T-151M1R5
220	±20	1	0.258	1.3	1.3	SLF12575T-221M1R3

* Rated current: Value obtained when current flows and the temperature has risen to 40°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