

SMD Inductors(Coils) For Power Line(Wound, Magnetic Shielded)

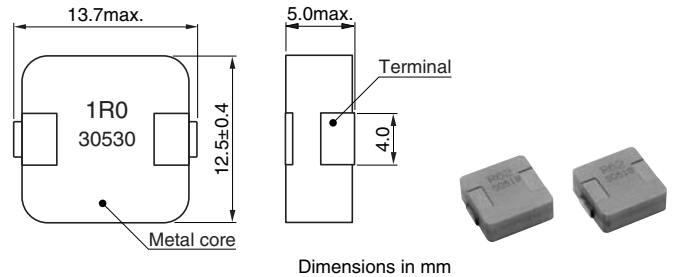
Conformity to RoHS Directive

SPM Series SPM12550

FEATURES

- Low profile design
Mount area: 12.5mm square
Low profile: 5.0mm max. height
- High power handling capability:
Small copper loss
Using large saturation induction of Fe-based metals
- Wide operating temperature range due to high Curie temperature of around 550°C
- Available for automatic mounting in tape and reel package.

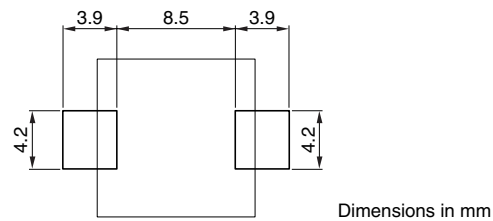
SHAPES AND DIMENSIONS



APPLICATIONS

- Note book computers, VRMs, etc.

RECOMMENDED PC BOARD PATTERN



ELECTRICAL CHARACTERISTICS

Part No.	Inductance(μH)		Inductance tolerance (%)	Test frequency (kHz)	DC resistance (mΩ)		Rated current(A)*	
	[at 0Adc]	Based on inductance change			max.	typ.	Based on inductance change	Based on temperature rise typ.
SPM12550T-R62M300	0.76typ.	0.62	±20	100	1.74	1.45	30.0	25.0
SPM12550T-1R0M220	1.2typ.	1.0	±20	100	2.28	1.90	22.0	22.0

* Rated current: Value obtained when current flows and the temperature has risen to 40°C or when DC current flows and the nominal value of inductance has fallen by 10%

- The cleaning agent can not be used for these parts.
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.
- All specifications are subject to change without notice.