Conformity to RoHS Directive

会TDK

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

SPM Series SPM10040

FEATURES

- · Low profile design Mount area: 10.0mm square Low profile: 4.0mm 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 tempera-
- ture of around 550°C • Available for automatic mounting in tape and reel package.

APPLICATIONS

· Note book computers, VRMs, etc.

SHAPES AND DIMENSIONS





Dimensions in mm

RECOMMENDED PC BOARD PATTERN



ELECTRICAL CHARACTERISTICS

Part No.	Inductance(µH)		Inductance	Test frequency	DC resistance	Rated current(A)*	
	[at 0Adc]	Based on inductance	tolerance	(kHz)	$(m\Omega)$	Based on inductance	Based on
		change				change	temperature rise
SPM10040T-R36M170	0.4typ.	0.36	±20	300	1.1±7%	17.0	25.0typ.
SPM10040T-R56M150	0.6typ.	0.56	±20	300	1.7±7%	15.0	23.0typ.

* 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.