

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

Conformity to RoHS Directive

## SPM Series SPM10040

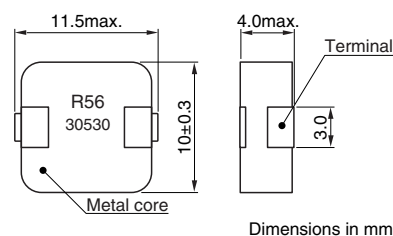
### FEATURES

- 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 temperature of around 550°C
- Available for automatic mounting in tape and reel package.

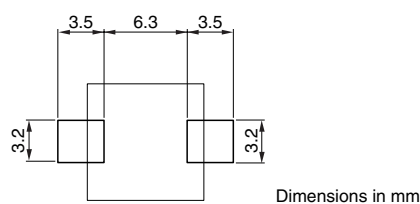
### APPLICATIONS

- Note book computers, VRMs, etc.

### SHAPES AND DIMENSIONS



### RECOMMENDED PC BOARD PATTERN



### ELECTRICAL CHARACTERISTICS

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