

SMD Inductors(Coils) For Power Line(Wound)

Conformity to RoHS Directive

VLP Series VLP5612

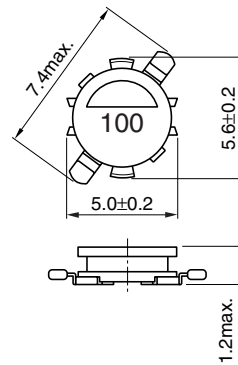
FEATURES

- Miniature size
Mount area: 5.0×5.6mm
Low profile: 1.2mm max. height
- Generic use for portable DC to DC converter line
- High rated DC current
- Non-ferrite shielded component
- Available for automatic mounting in tape and reel package.
- The products do not contain lead and support lead-free soldering.

APPLICATIONS

- DC to DC converters for TFT, LCD, LCD TV, PDA
- DC to DC converters for mobile phone, LCD driver circuit, etc.

SHAPES AND DIMENSIONS



Dimensions in mm



RECOMMENDED PC BOARD PATTERN



Dimensions in mm

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μ H)	Inductance tolerance(%)	Test frequency (kHz)	DC resistance (Ω)max.	Rated current(A)*	
					Based on inductance change max.	Based on temperature rise typ.
VLP5612T-2R7M1R2	2.7	± 20	100	0.12	1.55	1.24
VLP5612T-4R7MR93	4.7	± 20	100	0.22	1.16	0.93
VLP5612T-6R8MR84	6.8	± 20	100	0.27	1.05	0.84
VLP5612T-100MR67	10.0	± 20	100	0.42	0.84	0.67
VLP5612T-150MR53	15.0	± 20	100	0.67	0.66	0.53
VLP5612T-220MR45	22.0	± 20	100	0.92	0.56	0.45
VLP5612T-330MR39	33.0	± 20	100	1.25	0.49	0.39
VLP5612T-470MR32	47.0	± 20	100	1.83	0.40	0.32

* 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%, whichever is smaller.

• 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.