

SMD Inductors(Coils) For Power Line(Wound)

Conformity to RoHS Directive

VLP Series VLP4614

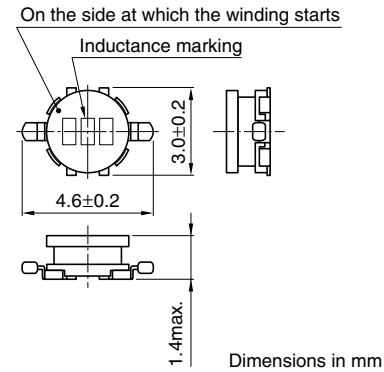
FEATURES

- Miniature size
Mount area: 3.4×4.6mm
Low profile: 1.4mm 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.

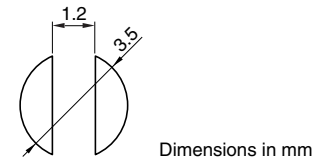
APPLICATIONS

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

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERN



ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μH)	Inductance tolerance(%)	Test frequency (kHz)	DC resistance (Ω)max.	Rated current(A)*	
					Based on inductance change max.	Based on temperature rise typ.
VLP4614T-2R7M1R1	2.7	±20	100	0.13	1.43	1.14
VLP4614T-4R7MR85	4.7	±20	100	0.23	1.06	0.85
VLP4614T-6R8MR74	6.8	±20	100	0.31	0.93	0.74
VLP4614T-100MR60	10.0	±20	100	0.46	0.75	0.60
VLP4614T-150MR48	15.0	±20	100	0.74	0.60	0.48
VLP4614T-220MR40	22.0	±20	100	1.07	0.50	0.40
VLP4614T-330MR31	33.0	±20	100	1.78	0.39	0.31
VLP4614T-470MR27	47.0	±20	100	2.34	0.34	0.27

* 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.