

SMD Inductors(Coils) For Power Line(Wound)

Conformity to RoHS Directive

VLP Series VLP4614

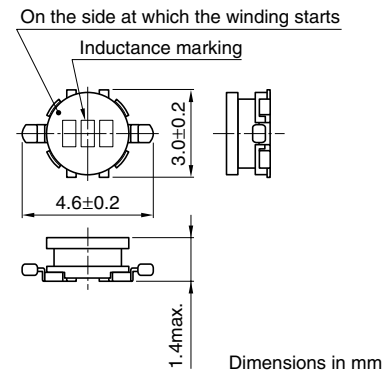
FEATURES

- 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.

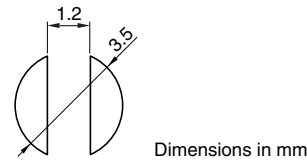
APPLICATIONS

- 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.