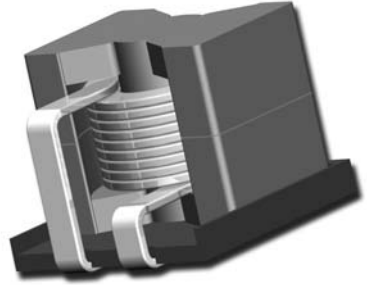


POWER CUBE PB2016 SERIES

Features

- High current inductor for automotive applications
- Nominal currents: up to 25 Amps
- Nominal inductance: from 1,5 μ H to 33 μ H
- Low profile with SMD format
- Low losses due rectangular wire is used
- Four soldering points to improve vibration test
- AECQ-200 qualified
- Rohs Compliance



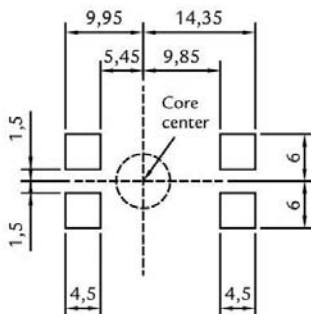
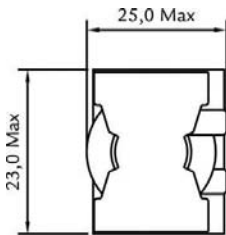
Electrical Specifications

| Part Number | L(μ H) $\pm 10\%$ | I _{dc} (1) (Amps) | I _{Sat} (2) (Amps) | DCR (m Ω) TYP | S.R.F. (MHz) MIN |
|-------------|---------------------------|-------------------------------|--------------------------------|--------------------------|---------------------|
| PB2016-1R7 | 1,7 | 25 | 75 | 2,0 | 2 |
| PB2016-2R2 | 2,2 | 25 | 60 | 2,0 | 2 |
| PB2016-3R3 | 3,3 | 25 | 40 | 2,0 | 2 |
| PB2016-4R7 | 4,7 | 16 | 35 | 4,5 | 2 |
| PB2016-6R8 | 6,8 | 16 | 24 | 4,5 | 2 |
| PB2016-9R2 | 9,2 | 16 | 16 | 4,5 | 2 |
| PB2016-15R | 15 | 16 | 10 | 4,5 | 2 |
| PB2016-22R | 22 | 16 | 7 | 4,5 | 2 |
| PB2016-33R | 33 | 16 | 4 | 4,5 | 2 |

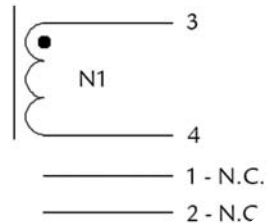
Note 1: Current with a 45 °C temperature rise from 25 °C ambient (natural cooling).

Note 2: Max DC current without the inductance drops from the value without DC current

Dimensions



Electrical Diagram



Notes:

- Coplanarity < 150 μ m
- Grid tolerance: ± 0.2
- Terminals 1 and 2 not connected to coil.
Placed to improve vibration requirements.