

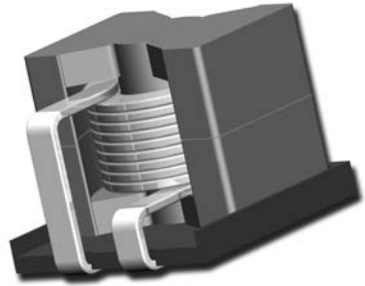
POWER CUBE PB2016 SERIES

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SMD Power Inductor

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



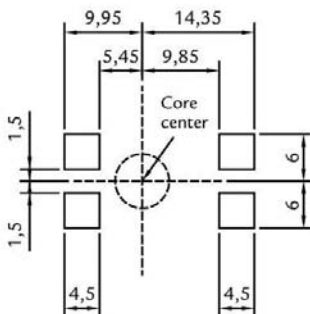
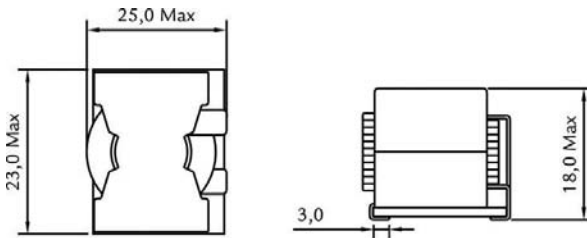
Electrical Specifications

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

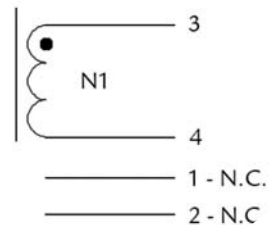
Note 1: Current with a 45 °C temperature rise from 25 °C ambient (natural cooling).

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: $\pm 0,1$

- Terminals 1 and 2 not connected to core.

Placed to improve vibration requirements.

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