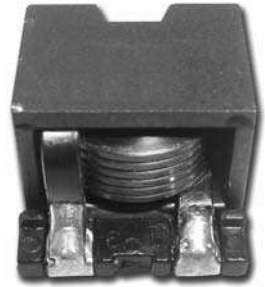


POWER CUBE PB1212 SERIES

Features

- Low cost energy storage choke with high current for telecom, PLC and consumer market
- Nominal currents: up to 20 Amps
- Nominal inductance: from 0,5 μ H to 18.8 μ H
- Low profile with SMD format
- Low losses due rectangular wire is used
- Three soldering points to improve vibration test
- RoHS Compliance



Electrical Specifications

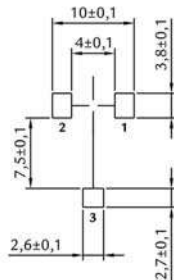
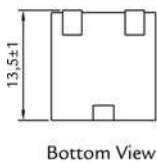
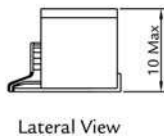
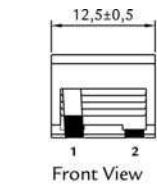
Part Number	L (1) (μ H) \pm 10%	I rms (2) (Amps)	I Sat (3) (Amps)	DCR (m Ω) TYP.	S.R.F. (MHz) MIN.
PB1212-0R5	0,5	20	35	1,2	2
PB1212-0R8	0,8	20	30	1,2	2
PB1212-1R1	1,1	20	24,5	1,2	2
PB1212-1R5	1,5	20	17,5	1,2	2
PB1212-2R4	2,4	16	22	3,2	2
PB1212-3R4	3,4	16	14	3,2	2
PB1212-4R7	4,7	16	10	3,2	2
PB1212-6R3	6,3	7,5	12,5	12,4	2
PB1212-9R5	9,5	7,5	10	12,4	2
PB1212-14R	13,7	7,5	7	12,4	2
PB1212-19R	18,8	7,5	5	12,4	2

Note 1: Measured at 100kHz, 1Vac @ 25 °C ambient.

Note 2: Current with a 55 °C temperature rise from 25 °C ambient (natural cooling).

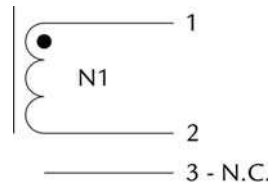
Note 3: DC current with the inductance drops 10% (typ) from the value without DC current

Dimensions



Recommended PCB Layout

Electrical Diagram



Notes:

- Coplanarity < 150 μ m