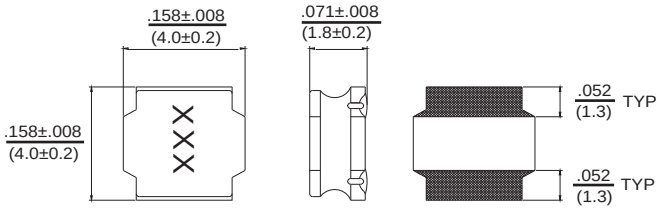
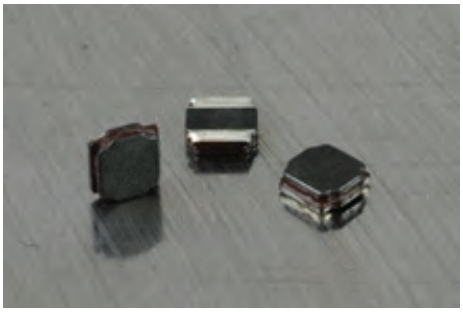
RoHS

SMD Shielded Power Chip Inductor

PCFV48

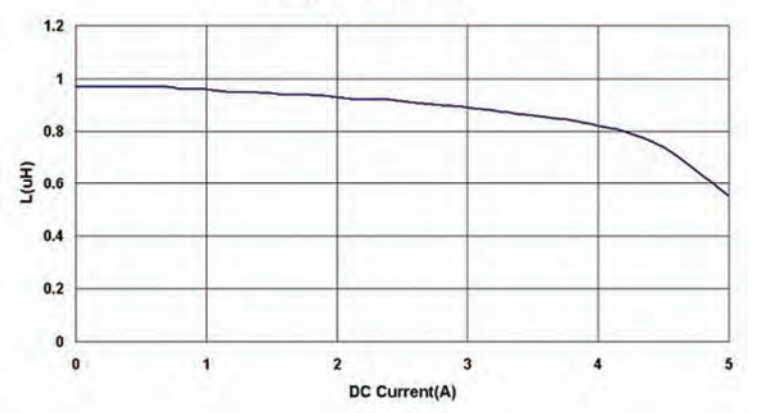
Dimensions: Inches / (mm)

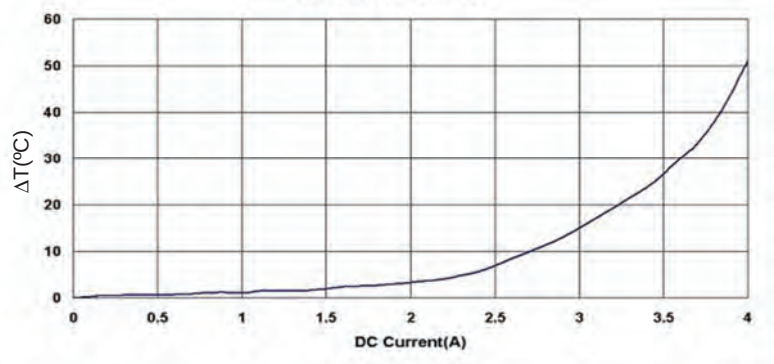




Allied Part Number	Inductance (µh)	Tolerance (%)	Test Freq. MHz, 100mV	RDC (mΩ) ±30%	Isat (A) (Max)	Irms (A) (Max)	Marking
PCFV48-1R0M-RC	1.0	20	1	26.5	3.78	3.42	1R0
PCFV48-1R5M-RC	1.5	20	1	37.0	3.15	2.88	1R5
PCFV48-2R2M-RC	2.2	20	1	47.0	2.70	2.43	2R2
PCFV48-3R3M-RC	3.3	20	1	62.5	2.07	1.89	3R3

All specifications subject to change without notice.





Features

- Magnetically Shielded Construction
- High Current
- Lowe DC Resistence
- Ultra Low Profile, 2.0mm

Electrical

Inductance Range: 1.0µh ~ 3.3µh (other values being added)
Tolerance: Available in 20%
Operating Temp: -40ºC ~ +125ºC
Isat: Current at which the Inductance will drop by no more then 30% of its initial value.
Irms: Based on a temp rise of ΔT = 40ºC typical above Ambient Temp.

Resistance to Soldering Heat

Pre-Heat 150ºC, 1 Min.
Solder Composition: Sn/Ag3.0/Cu0.5
Solder Temp: 260ºC +/- 5ºC for 10 sec

Test Equipment

(L): HP4287A + HP16197A
(RDC): Chroma MilliOhm Meter 16502
Current: HP4284A + HP42841A

Physical

Packaging: 800 per Tape and reel
Marking: EIA Inductance code