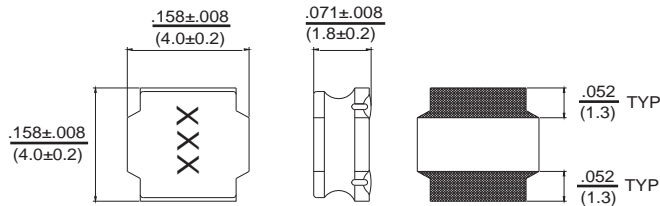




SMD Shielded Power Chip Inductor

PCFV48

Dimensions: $\frac{\text{Inches}}{\text{(mm)}}$



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. MHz, 100mV	RDC (m Ω) $\pm 30\%$	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
- Low DC Resistance
- Ultra Low Profile, 2.0mm

Electrical

Inductance Range: 1.0 μh ~ 3.3 μh (other values being added)

Tolerance: Available in 20%

Operating Temp: -40°C ~ +125°C

Isat: Current at which the Inductance will drop by no more than 30% of its initial value.

Irms: Based on a temp rise of $\Delta T = 40^\circ\text{C}$ typical above Ambient Temp.

Resistance to Soldering Heat

Pre-Heat 150°C, 1 Min.

Solder Composition: Sn/Ag3.0/Cu0.5

Solder Temp: 260°C +/- 5°C 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

$\Delta T(^{\circ}\text{C})$