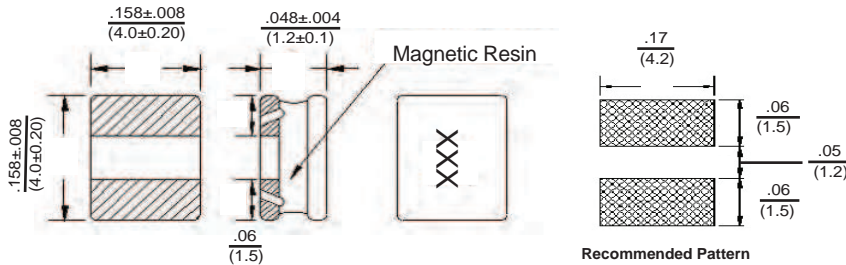




SMD SEMI SHIELDED POWER CHIP INDUCTOR

PCFV42

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



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. MHz, 200mV	RDC (mΩ) ±30%	Isat (A) (Max)	Irms (A) (Max)	Marking
PCFV42-3R3M-RC	3.3	20	1	.072	1.21	1.68	3R3
PCFV42-100M-RC	10	20	1	.195	0.60	0.96	100

All specifications subject to change without notice.

Features

- Semi Magnetically Shielded
- High Current
- Low DC Resistance
- Ultra Low Profile, 1.2mm

Electrical

Inductance Range: 3.3μh ~ 10μh (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 ΔT = 40°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: 1000 per Tape and reel
Marking: EIA Inductance Code

