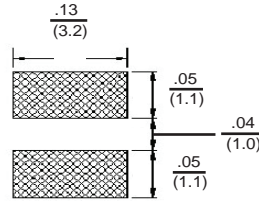
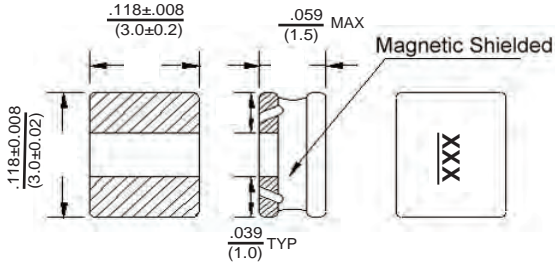




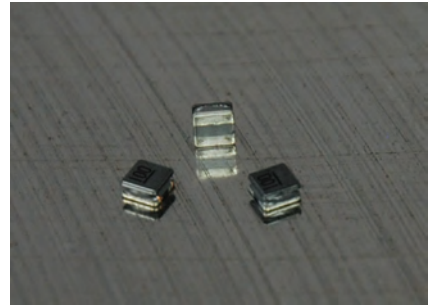
SMD SEMI SHIELDED POWER CHIP INDUCTOR

PCFV35

Dimensions: Inches
(mm)



Recommended Pattern



| Allied Part Number | Inductance (μh) | Tolerance (%) | Test Freq. MHz, 200mV | RDC (Ω) ±30% | Isat (mA) (Max) | Irms (mA) (Max) | Marking |
|--------------------|-----------------|---------------|-----------------------|--------------|-----------------|-----------------|---------|
| PCFV35-R47M-RC | .47 | 20 | 1 | 0.036 | 4230 | 3600 | R47 |
| PCFV35-1R0M-RC | 1.0 | 20 | 1 | 0.054 | 3060 | 2700 | 1R0 |
| PCFV35-1R5M-RC | 1.5 | 20 | 1 | 0.063 | 2700 | 2340 | 1R5 |
| PCFV35-2R2M-RC | 2.2 | 20 | 1 | 0.090 | 2070 | 1800 | 2R2 |
| PCFV35-3R3M-RC | 3.3 | 20 | 1 | 0.125 | 1710 | 1620 | 3R3 |
| PCFV35-4R7M-RC | 4.7 | 20 | 1 | 0.170 | 1420 | 1360 | 4R7 |
| PCFV35-6R8M-RC | 6.8 | 20 | 1 | 0.235 | 1200 | 1170 | 6R8 |
| PCFV35-100M-RC | 10 | 20 | 1 | 0.360 | 950 | 900 | 100 |
| PCFV35-150M-RC | 15 | 20 | 1 | 0.550 | 810 | 720 | 150 |
| PCFV35-220M-RC | 22 | 20 | 1 | 0.770 | 680 | 580 | 220 |
| PCFV35-330M-RC | 33 | 20 | 1 | 0.770 | 580 | 540 | 330 |

All specifications subject to change without notice.

Features

- Semi Magnetically Shielded
- High Current
- Ultra Low Profile

Electrical

Inductance Range: .47μh ~ 33μh (other values being added)
Tolerance: Available in 20%
Operating Temp: -55°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: 2K per Tape and reel
Marking: As noted

