SMD SEMI SHIELDED POWER CHIP INDUCTOR

**PCFV35**

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:** -55ºC ~ +125ºC
- **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 = 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:** 2K per Tape and reel
- **Marking:** As noted