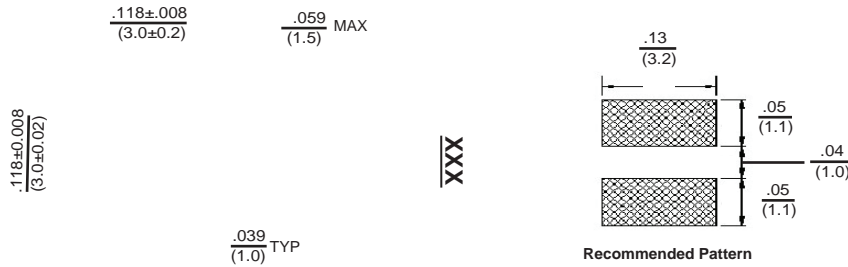




# SMD Shielded Power Chip Inductor

# PCFV35

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



Allied Part Number	Inductance ( $\mu\text{h}$ )	Tolerance (%)	Test Freq. MHz, 200mV	RDC ( $\Omega$ ) $\pm 30\%$	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	860	580	220

All specifications subject to change without notice.

## Features

- Magnetically Shielded Construction
- High Current
- Ultra Low Profile

## Electrical

**Inductance Range:** .47 $\mu\text{h}$  ~ 22 $\mu\text{h}$  (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:** 2K per Tape and reel

**Marking:** As noted

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