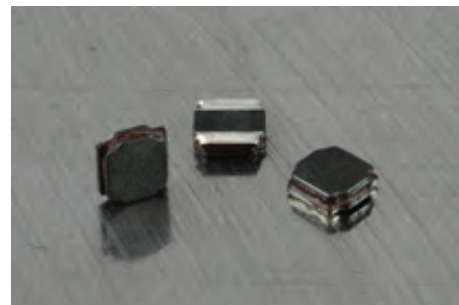
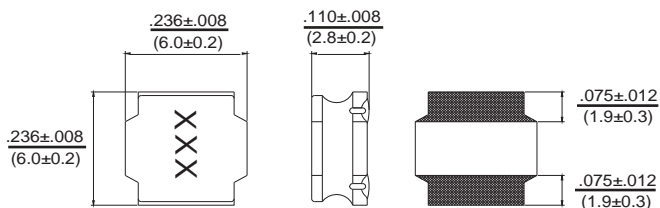




## SMD Shielded Power Chip Inductor

PCFV68

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



Allied Part Number	Inductance ( $\mu\text{h}$ )	Tolerance (%)	Test Freq, 100kHz, V	RDC (m $\Omega$ ) $\pm 30\%$	Isat (A) (Max)	Irms (A) (Max)	Marking
PCFV68-1R0M-RC	1.0	20	1	12	7.11	5.67	1R0
PCFV68-1R5M-RC	1.5	20	1	15	6.30	4.95	1R5
PCFV68-2R2M-RC	2.2	20	1	20	5.40	4.50	2R2
PCFV68-4R7M-RC	4.7	20	1	36	3.60	3.40	4R7
PCFV68-6R8M-RC	6.8	20	1	48	2.88	2.70	6R8

All specifications subject to change without notice.

### Features

- Semi Shielded Shielded
- High Current
- Low DC Resistance
- Ultra Low Profile, 2.8mm

### Electrical

**Inductance Range:** 1.0 $\mu\text{h}$  ~ 6.8 $\mu\text{h}$  (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  $\Delta T = 40^\circ\text{C}$  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:** 1500 per Tape and reel

**Marking:** EIA Inductance code