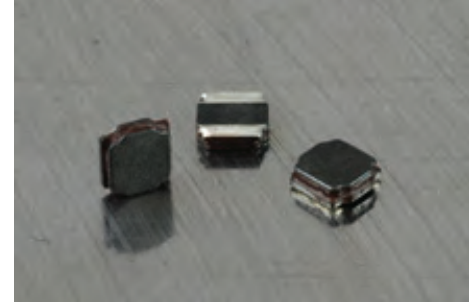
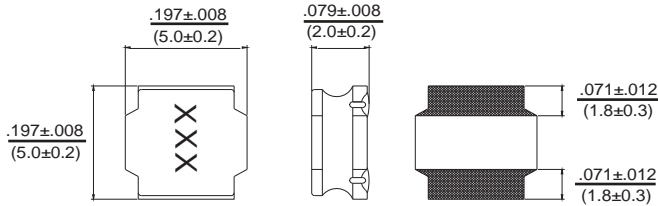




# SMD Shielded Power Chip Inductor

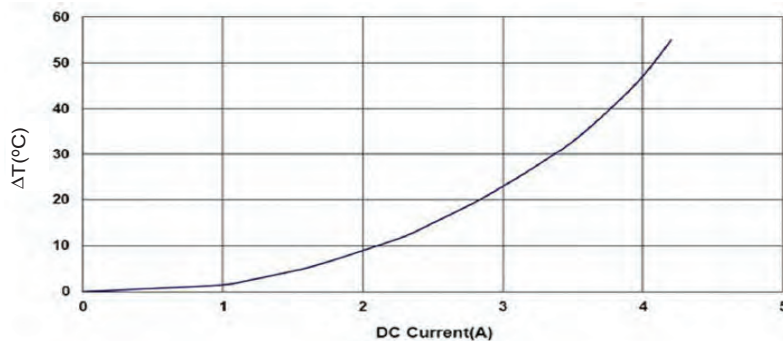
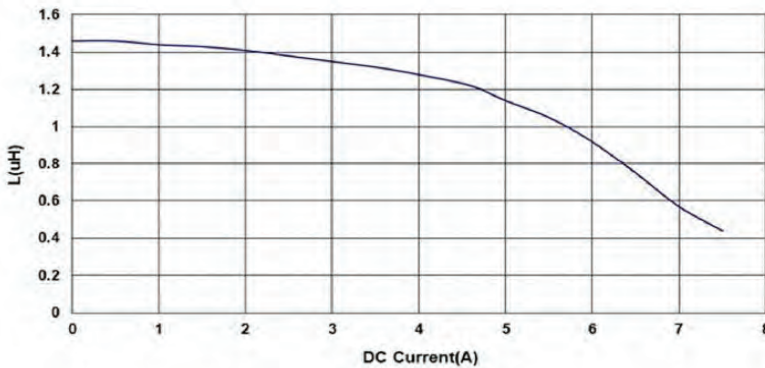
# PCFV52

Dimensions: Inches  
(mm)



Allied Part Number	Inductance (μH)	Tolerance (%)	Test Freq. MHz, 100mV	RDC (mΩ) ±30%	Isat (A) (Max)	Irms (A) (Max)	Marking
PCFV52-1R0M-RC	1.0	20	1	18	5.40	3.69	1R0
PCFV52-1R5M-RC	1.5	20	1	23	4.41	3.15	1R5
PCFV52-2R2M-RC	2.2	20	1	30	3.60	2.97	2R2
PCFV52-2R7M-RC	2.7	20	1	38	3.00	2.60	2R7
PCFV52-3R3M-RC	3.9	20	1	53	2.61	2.34	3R9
PCFV52-4R7M-RC	4.7	20	1	60	2.43	1.98	4R7
PCFV52-6R8M-RC	6.8	20	1	93	1.98	1.62	6R8
PCFV52-100M-RC	10	20	1	125	1.62	1.44	100
PCFV52-150M-RC	15	20	1	195	1.26	1.08	150
PCFV52-220M-RC	22	20	1	265	1.08	0.90	220

All specifications subject to change without notice.



### Features

- Magnetically Shielded Construction
- High Current
- Low DC Resistance
- Ultra Low Profile, 2.0mm

### Electrical

**Inductance Range:** 1.0μH ~ 22μH (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:** 2000 per Tape and reel  
**Marking:** EIA Inductance code