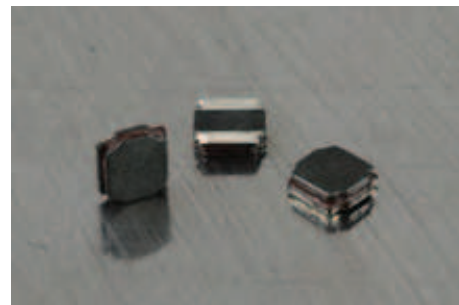
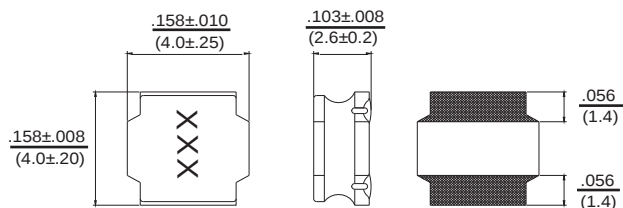




SMD SEMI SHIELDED POWER INDUCTOR

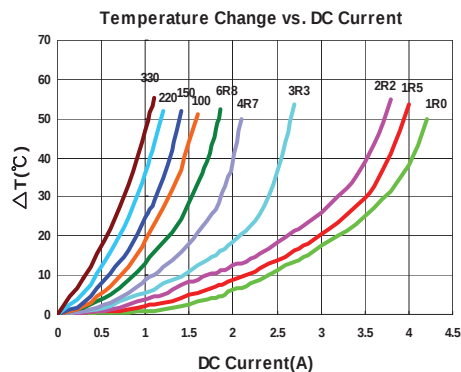
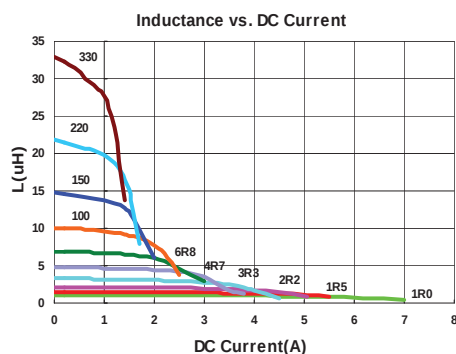
PCFV49

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



Allied Part Number	Inductance (μ h)	Tolerance (%)	Test Freq. (MHz, 100mV)	RDC (m Ω $\pm$ 30%)	Isat (A) (Max)	Irms (A) (Max)	Marking
PCFV49-1R0M-RC	1.0	20	1	.030	4.00	3.20	1R0
PCFV49-1R5M-RC	1.5	20	1	.035	3.36	2.96	1R5
PCFV49-2R2M-RC	2.2	20	1	.045	3.04	2.80	2R2
PCFV49-3R3M-RC	3.3	20	1	.047	2.40	2.00	3R3
PCFV49-4R7M-RC	4.7	20	1	.092	2.08	1.60	4R7
PCFV49-5R6M-RC	5.6	20	1	.110	1.84	1.52	5R6
PCFV49-6R8M-RC	6.8	20	1	.130	1.60	1.36	6R8
PCFV49-100M-RC	10	20	1	.188	1.52	1.12	100
PCFV49-150M-RC	15	20	1	.240	1.16	1.96	150
PCFV49-220M-RC	22	20	1	.330	0.97	0.80	220
PCFV49-330M-RC	33	20	1	.480	0.80	0.65	330

All specifications subject to change without notice.



Features

- Semi Magnetically Shielded
- High Current
- Low DC Resistance
- Ultra Low Profile, 2.6mm

Electrical

Inductance Range: 1.0 μ h ~ 33 μ 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: 500 per Tape and reel

Marking: EIA Inductance Code