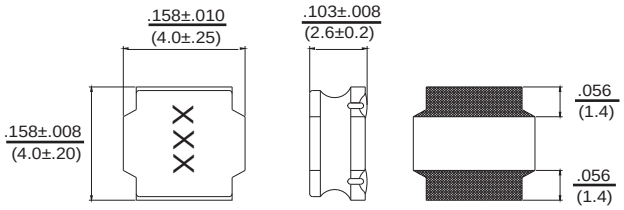
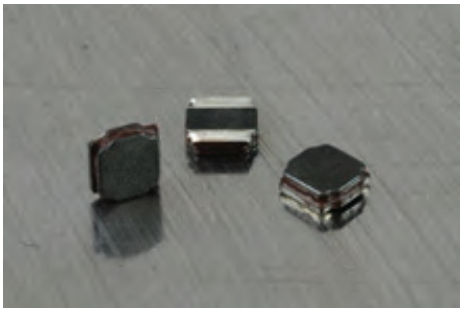
RoHS

SMD SEMI SHIELDED POWER INDUCTOR

PCFV49

Dimensions: Inches / (mm)

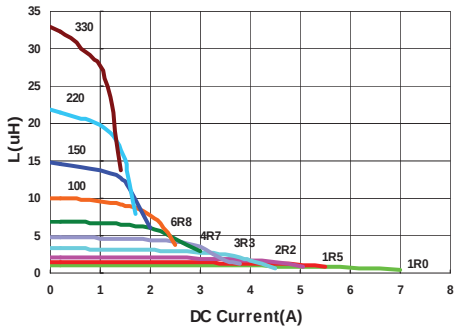




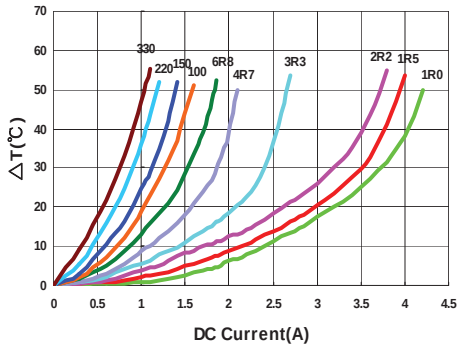
Allied Part Number	Inductance (µh)	Tolerance (%)	Test Freq. (MHz,100mV)	RDC (mΩ) ±30%	Isat (A) (Max)	Irms (A) (Max)	Marking
PCFV49-1R0M-RC	1.0	20	1	30	4.50	3.60	1R0
PCFV49-1R5M-RC	1.5	20	1	35	3.78	3.33	1R5
PCFV49-2R2M-RC	2.2	20	1	45	3.42	3.15	2R2
PCFV49-3R3M-RC	3.3	20	1	47	2.70	2.25	3R3
PCFV49-4R7M-RC	4.7	20	1	92	2.34	1.80	4R7
PCFV49-5R6M-RC	5.6	20	1	110	2.07	1.71	5R6
PCFV49-6R8M-RC	6.8	20	1	130	1.80	1.53	6R8
PCFV49-100M-RC	10	20	1	188	1.71	1.26	100
PCFV49-150M-RC	15	20	1	240	1.30	1.08	150
PCFV49-220M-RC	22	20	1	330	1.09	0.90	220
PCFV49-330M-RC	33	20	1	480	0.90	0.73	330
PCFV49-331M-RC	330	20	1	4600	0.27	0.22	331

All specifications subject to change without notice.

Inductance vs. DC Current



Temperature Change vs. DC Current



Features

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

Electrical

Inductance Range: 1.0µh ~ 330µh (other values being added)
Tolerance: Available in 20%
Operating Temp: -55ºC ~ +125ºC
Isat: Current at which the Inductance will drop by no more then 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: 500 per Tape and reel
Marking: EIA Inductance Code