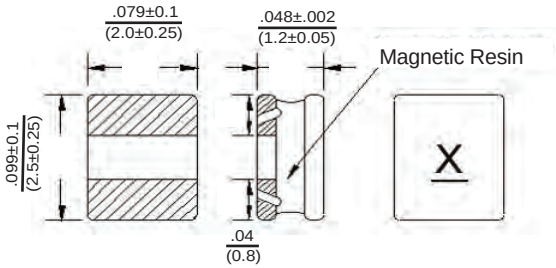
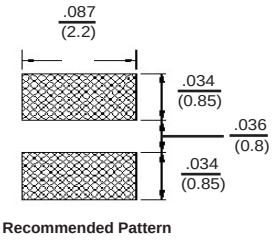
RoHS

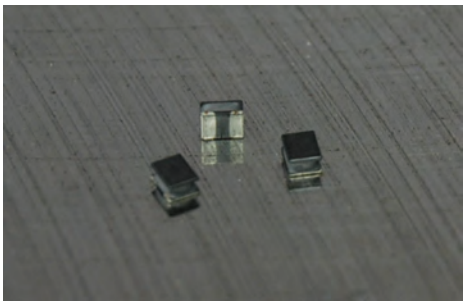
SMD SEMI SHIELDED POWER CHIP INDUCTOR PCFV25

Dimensions: Inches / (mm)





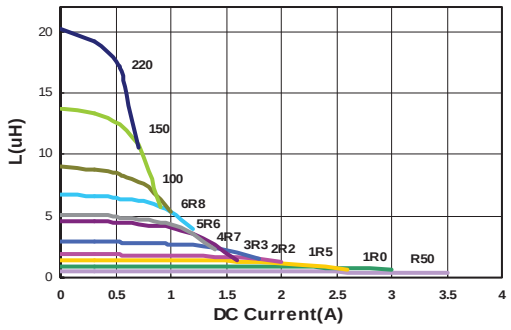
Recommended Pattern



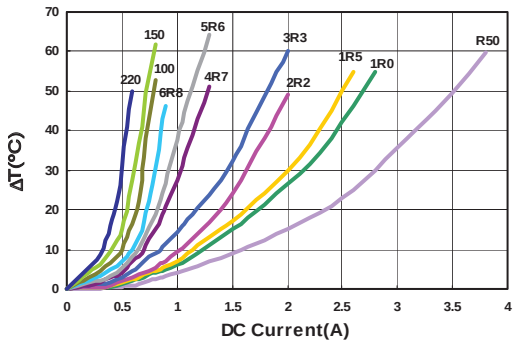
Allied Part Number	Inductance (µh)	Tolerance (%)	Test Freq. MHz	RDC (Ω) ±30%	Isat (A) (Max)	Irms (A) (Max)	Marking
PCFV25-R50M-RC	.50	20	1	0.028	3150	2700	B
PCFV25-1R0M-RC	1.0	20	1	0.050	2250	2160	C
PCFV25-1R2M-RC	1.2	20	1	0.053	1890	2110	D
PCFV25-1R5M-RC	1.5	20	1	0.068	1750	2070	E
PCFV25-2R2M-RC	2.2	20	1	0.080	1620	1620	F
PCFV25-3R3M-RC	3.3	20	1	0.130	1300	1350	G
PCFV25-4R7M-RC	4.7	20	1	0.190	990	990	H
PCFV25-5R6M-RC	5.6	20	1	0.210	940	900	I
PCFV25-6R8M-RC	6.8	20	1	0.300	850	720	J
PCFV25-100M-RC	10	20	1	0.385	790	630	K
PCFV25-150M-RC	15	20	1	0.570	610	550	L
PCFV25-220M-RC	22	20	1	0.810	490	470	M

All specifications subject to change without notice.

Inductance vs. DC Current



Temperature Change vs. DC Current



Features

- Magnetically Shielded Construction
- High Current
- Low DC Resistance
- Ultra Low Profile only 1.2mm

Electrical

Inductance Range: .50µh ~ 22µh (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: 2K per Tape and reel
Marking: As noted