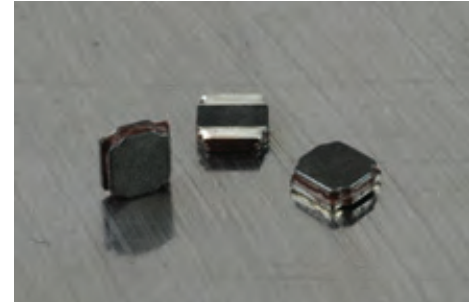
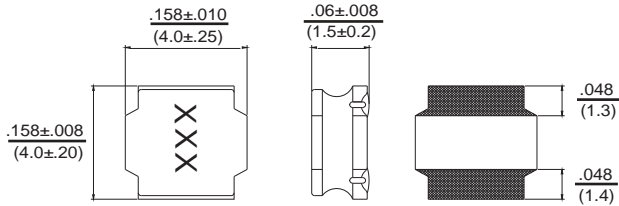




SMD SEMI SHIELDED POWER CHIP INDUCTOR

PCFV45

Dimensions: Inches
(mm)



Allied Part Number	Inductance (µh)	Tolerance (%)	Test Freq. MHz, 200mV	RDC (mΩ) ±30%	Isat (A) (Max)	Irms (A) (Max)	Marking
PCFV45-R47M-RC	.47	20	1	19	3.60	3.78	R47
PCFV45-1R5M-RC	1.5	20	1	41	2.70	2.88	1R5
PCFV45-2R2M-RC	2.2	20	1	54	2.07	2.34	2R2
PCFV45-4R7M-RC	4.7	20	1	100	1.44	1.62	4R7
PCFV45-6R8M-RC	6.8	20	1	138	1.26	1.44	6R8
PCFV45-100M-RC	10	20	1	200	0.90	1.08	100
PCFV45-150M-RC	15	20	1	300	0.82	0.94	150
PCFV45-220M-RC	22	20	1	400	0.64	0.76	220

All specifications subject to change without notice.

Features

- Semi Magnetically Shielded
- High Current
- Low DC Resistance
- Ultra Low Profile, 1.5mm

Electrical

Inductance Range: 4.7µh ~ 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

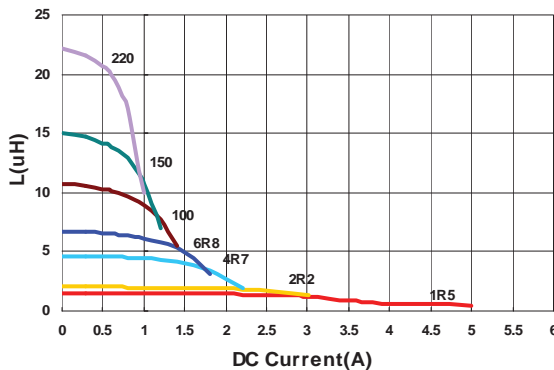
Current: HP4284A + HP42841A

Physical

Packaging: 1000 per Tape and reel

Marking: EIA Inductance Code

Inductance vs. DC Current



Temperature Change vs. DC Current

