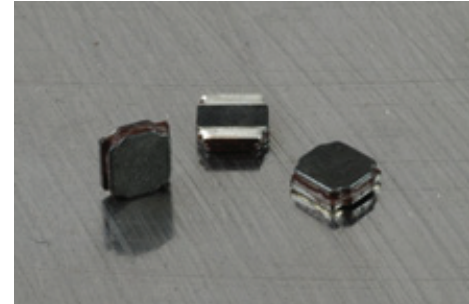
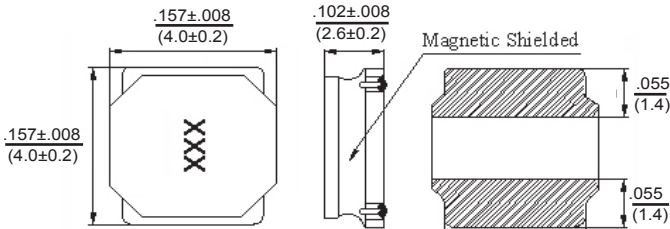




SMD SHIELDED POWER CHIP INDUCTOR

PCSV49

Dimensions: Inches (mm)



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. Khz, 1V	RDC (mΩ) ±30%	Isat (A) Typ.	Irms (A) Typ.	Marking
PCSV49-1R2_-RC	1.2	M,T	100	30	3.50	3.30	1R2
PCSV49-3R3_-RC	3.3	M,T	100	45	2.50	2.50	3R3
PCSV49-4R7_-RC	4.7	M,T	100	60	1.80	1.80	4R7
PCSV49-220_-RC	22	M,T	100	230	0.86	1.00	220

*Insert letter for desired tolerance. M=±20%, T=±30%
All specifications subject to change without notice.

Features

- Magnetically Shielded Construction
- High Current
- Low DC Resistance
- Ultra Low Profile .102" / 2.6mm HT

Electrical

Inductance Range: 1.2μh ~ 22μh (other values being added)
Tolerance: Available in M=20% and T=30% insert letter for required tolerance
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 ΔT = 40°C typical at 25°C Ambient.

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

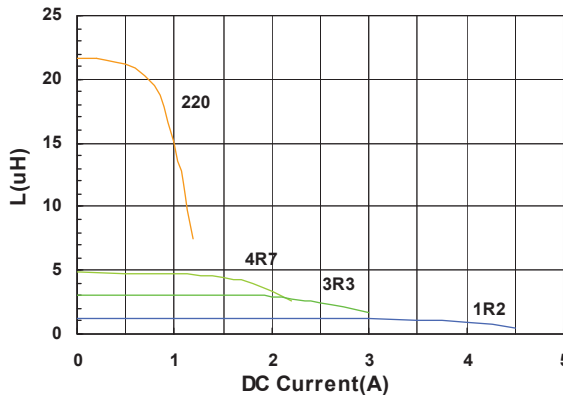
Test Equipment

(L): HP4287A + Agilent/HP16197A
(RDC): Chroma MilliOhm Meter Mode16502
Current: HP4284A + HP42841A

Physical

Packaging: 500 per 7" Tape and reel
Marking: EIA Inductance Code

Inductance vs. DC Current



Temperature Change vs. DC Current

