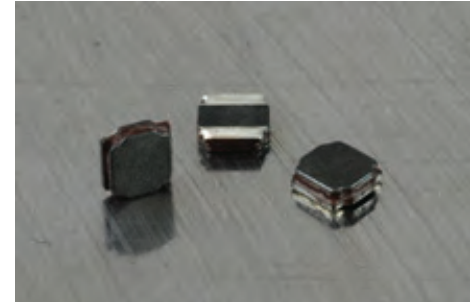
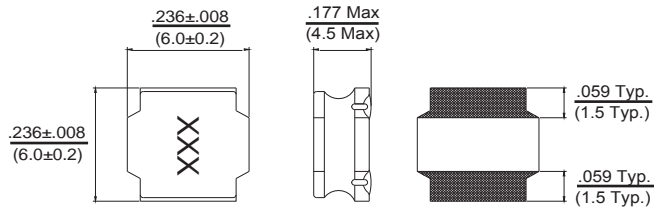




SMD SHIELDED POWER CHIP INDUCTOR

PCSV65

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



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. KHz, 1V	RDC $\text{m}(\Omega)$ $\pm 30\%$	Isat (A) Typ.	I _{rms} (A) Typ.
PCSV65-1R0T-RC	1.0	30	100	12	12.2	6.5
PCSV65-1R8T-RC	1.8	30	100	17	9.6	5.6
PCSV65-2R3T-RC	2.3	30	100	19	8.8	5.0
PCSV65-3R0T-RC	3.0	30	100	22	7.8	4.4
PCSV65-4R5T-RC	4.5	30	100	31	6.7	3.9
PCSV65-6R8M-RC	6.8	20	100	43	5.3	3.2
PCSV65-100M-RC	10	20	100	57	4.5	2.7
PCSV65-150M-RC	15	20	100	80	3.4	2.2
PCSV65-220M-RC	22	20	100	125	3.0	1.9
PCSV65-330M-RC	33	20	100	165	2.3	1.4
PCSV65-470M-RC	47	20	100	245	1.9	1.2
PCSV65-680M-RC	68	20	100	330	1.6	1.0
PCSV65-101M-RC	100	20	100	500	1.3	0.8

All specifications subject to change without notice.

Features

- Magnetically Shielded Construction
- Low Profile

Electrical

Inductance Range: 1.0uh ~ 100uh (other values being added)

Tolerance: Available in 20% and 30%

Operating Temp: -25°C ~ +105°C

Isat: Current at which the Inductance will drop by no more than 30% of its initial value.

I_{rms}: Based on a temp rise of $\Delta T = 40^\circ\text{C}$ typical.

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): HP4284A

(RDC): Chroma MilliOhm Meter 16502

Current: HP4284A + HP42841A

Physical

Packaging: 1K per Tape and reel

Marking: EIA Inductance Code.

Land Pattern

