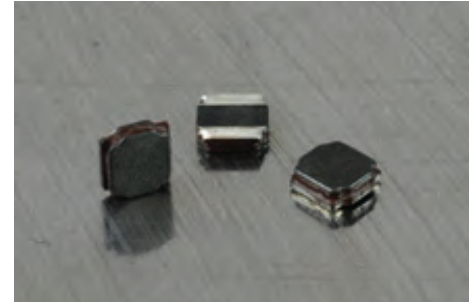
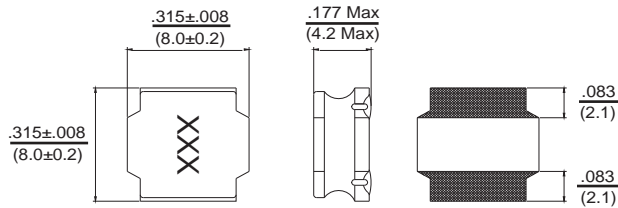




SMD SHIELDED POWER CHIP INDUCTOR

PCSV80

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


Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. KHz, 1V	RDC (Ω) ±30%	Isat (mA) Typ.	Irms (mA) Typ.	Marking
PCSV80-R90M-RC	0.9	20	100	7	13.8	8.05	R90
PCSV80-1R4M-RC	1.4	20	100	9	10.8	7.80	1R4
PCSV80-2R0M-RC	2.0	20	100	11	9.6	7.40	2R0
PCSV80-3R3M-RC	3.3	20	100	15	7.5	6	3R3
PCSV80-4R7M-RC	4.7	20	100	18	6	5.5	4R7
PCSV80-6R8M-RC	6.8	20	100	25	5.4	5.1	6R8
PCSV80-100M-RC	10	20	100	38	4.3	3.8	100
PCSV80-150M-RC	15	20	100	50	3.6	3.2	150
PCSV80-220M-RC	22	20	100	80	2.8	2.6	220
PCSV80-330M-RC	33	20	100	110	2.3	2	330
PCSV80-470M-RC	47	20	100	160	1.9	1.75	470
PCSV80-680M-RC	68	20	100	240	1.7	1.45	680
PCSV80-101M-RC	100	20	100	340	1.4	1.1	101

All specifications subject to change without notice.

Features

- Magnetically Shielded Construction
- Low Profile

Electrical

Inductance Range: 0.9μh ~ 100μh (other values being added)

Tolerance: Available in 20% & 30%

Operating Temp: -25°C ~ +105°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.

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 Mode 16502

Current: HP4284A + HP42841A

Physical

Packaging: 1K per Tape and reel

Marking: EIA Inductance Code