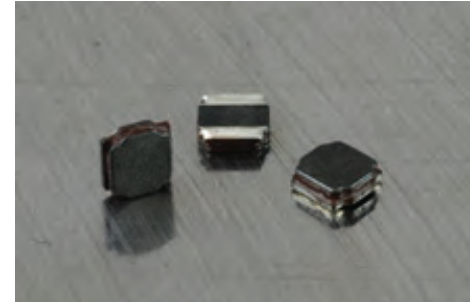
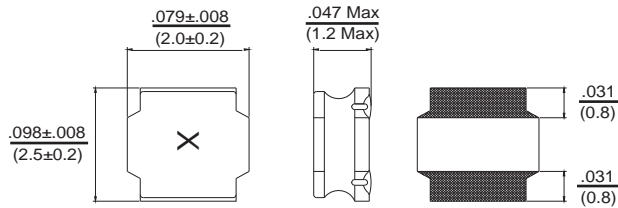




SMD SHIELDED POWER CHIP INDUCTOR

PCSV25

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


| Allied Part Number | Inductance (μh) | Tolerance (%) | Test Freq. MHz, 200mV | RDC (Ω) $\pm 30\%$ | Isat (mA) Typ. | Irms (mA) Typ. | Marking |
|--------------------|------------------------------|---------------|-----------------------|-----------------------------|----------------|----------------|---------|
| PCSV25-1R0M-RC | 1.0 | 20 | 1 | 0.102 | 2800 | 2800 | A |
| PCSV25-1R5M-RC | 1.5 | 20 | 1 | 0.147 | 2100 | 1800 | B |
| PCSV25-2R2M-RC | 2.2 | 20 | 1 | 0.203 | 1780 | 1700 | C |
| PCSV25-3R3M-RC | 3.3 | 20 | 1 | 0.270 | 1320 | 1420 | D |
| PCSV25-4R7M-RC | 4.7 | 20 | 1 | 0.534 | 1100 | 1040 | E |
| PCSV25-5R6M-RC | 5.6 | 20 | 1 | 0.563 | 1060 | 1000 | F |
| PCSV25-6R8M-RC | 6.8 | 20 | 1 | 0.767 | 900 | 940 | G |
| PCSV25-100M-RC | 10 | 20 | 1 | 0.928 | 800 | 840 | H |
| PCSV25-220M-RC | 22 | 20 | 1 | 2.08 | 540 | 540 | I |

All specifications subject to change without notice.

Features

- Magnetically Shielded Construction
- Ultra Low Profile

Electrical

Inductance Range: 1.0 μh ~ 22 μh (other values being added)

Tolerance: Available in 20%

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 $\Delta T = 40^\circ\text{C}$ 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): HP4287A + HP16197A

(RDC): Chroma MilliOhm Meter 16502

Current: HP4284A + HP42841A

Physical

Packaging: 2K per Tape and reel

Marking: As noted