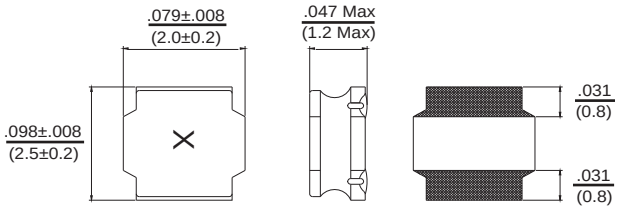
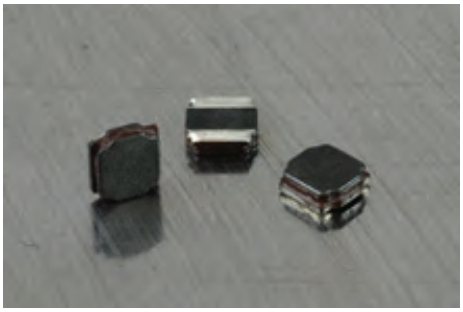
RoHS

# SMD SHIELDED POWER CHIP INDUCTOR PCSV25

**Dimensions:** Inches (mm)



| Allied Part Number | Inductance (µh) | Tolerance (%) | Test Freq. MHz, 200mV | RDC (Ω) ±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:** 1.0µh ~ 22µh (other values being added)
**Tolerance:** Available in 20%
**Operating Temp:** -25ºC ~ +105ºC
**Isat:** Current at which the Inductance will drop by no more then 30% of its initial value.
**Irms:** Based on a temp rise of ΔT = 40ºC typical.

## Resistance to Soldering Heat

Pre-Heat 150ºC, 1 Min.
**Solder Composition:** Sn/Ag3.0/Cu0.5
**Solder Temp:** 260ºC +/- 5ºC 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