**SMD SHIELDED POWER CHIP INDUCTOR**

**PCSV49**

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

*Insert letter for desired tolerance. M=±20%, T=±30%

**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%
- **Operating Temp**: -40ºC ~ +125ºC
- **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 = 40ºC typical at 25ºC Ambient.

**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 + Agilent/HP16197A
- **(RDC)**: Chroma MilliOhm Meter Mode16502
- **Current**: HP4284A + HP42841A

**Physical**
- **Packaging**: 500 per 7” Tape and reel
- **Marking**: EIA Inductance Code