SMD SHIELDED POWER CHIP INDUCTOR

**Features**

- Magnetically Shielded Construction
- Ultra Low Profile

**Electrical**

**Inductance Range:** 1.5µh ~ 47µh (other values being added)

**Tolerance:** Available in 20% & 30% as noted

**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 at 25°C Ambient.

**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): Agilent/HP4284A + Agilent/HP16334A
(RDC): Chroma MilliOhm Meter Mode16502

Current: Isat: HP4284A + HP42841A
Irms: Agilent 6641 System DC Power Supply

**Physical**

**Packaging:** 1500 per Tape and reel

**Marking:** EIA Inductance Code

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**Allied Part Number** | **Inductance (µh)** | **Tolerance (%)** | **Test Freq, Khz, 1V** | **RDC (mΩ) ±30%** | **Isat (A) Typ.** | **Irms (A) Typ.** | **Marking**
---|---|---|---|---|---|---|---
PCSV54-1R5T-RC | 1.5 | 30 | 100 | 16 | 7.1 | 4.4 | 1R5
PCSV54-2R2T-RC | 2.2 | 30 | 100 | 21 | 5.7 | 3.7 | 2R2
PCSV54-3R3T-RC | 3.3 | 30 | 100 | 26 | 4.8 | 3.5 | 3R3
PCSV54-4R7M-RC | 4.7 | 20 | 100 | 32 | 4.2 | 3.2 | 4R7
PCSV54-6R8M-RC | 6.8 | 20 | 100 | 50 | 3.3 | 2.4 | 6R8
PCSV54-100M-RC | 10 | 20 | 100 | 60 | 2.8 | 2.2 | 100
PCSV54-150M-RC | 15 | 20 | 100 | 90 | 2.3 | 1.8 | 150
PCSV54-220M-RC | 22 | 20 | 100 | 135 | 1.8 | 1.4 | 220
PCSV54-330M-RC | 33 | 20 | 100 | 190 | 1.5 | 1.1 | 330
PCSV54-470M-RC | 47 | 20 | 100 | 310 | 1.2 | 0.9 | 470

All specifications subject to change without notice.