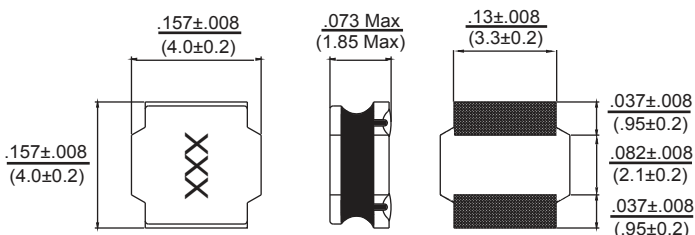




SMD SHIELDED POWER CHIP INDUCTOR

PCIA47

Dimensions: Inches
(mm)



| Allied Part Number | Inductance (μh) | Tolerance (%) | Test Freq, Khz, 1V | DCR (Ω) ±30% | IDC (A) Max. |
|--------------------|-----------------|---------------|--------------------|--------------|--------------|
| PCIA47-1R0M-RC | 1.0 | 20 | 100 | .023 | 4.00 |
| PCIA47-1R5M-RC | 1.5 | 20 | 100 | .033 | 3.35 |
| PCIA47-2R2M-RC | 2.2 | 20 | 100 | .044 | 2.70 |
| PCIA47-3R3M-RC | 3.3 | 20 | 100 | .070 | 2.45 |
| PCIA47-4R7M-RC | 4.7 | 20 | 100 | .090 | 1.70 |
| PCIA47-5R6M-RC | 5.6 | 20 | 100 | .103 | 1.60 |
| PCIA47-6R8M-RC | 6.8 | 20 | 100 | .124 | 1.45 |
| PCIA47-100M-RC | 10 | 20 | 1 | .200 | 1.30 |
| PCIA47-150M-RC | 15 | 20 | 1 | .268 | 0.94 |
| PCIA47-220M-RC | 22 | 20 | 1 | .390 | 0.80 |
| PCIA47-470M-RC | 47 | 20 | 1 | .850 | 0.57 |

All specifications subject to change without notice.

Features

- Magnetically Shielded Construction
- High Current
- Low DC Resistance

Electrical

Inductance Range: 1.0μh ~ 47μh (other values being added)

Tolerance: Available in 20%

Operating Temp: -40°C ~ 125°C

Rated DC Current: Current at which the Inductance will drop by no more than 30% of its initial value.

I_{rms}: 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): HP4284A LCR meter

(DCR): MilliOhm Meter

Physical

Packaging: 3000 per Reel

Marking: EIA Inductance Code