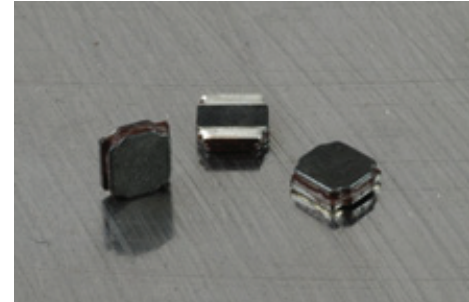
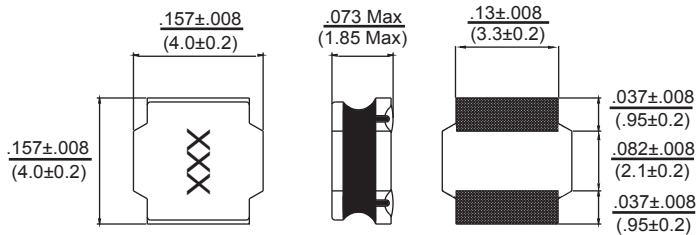




SMD SHIELDED POWER CHIP INDUCTOR

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