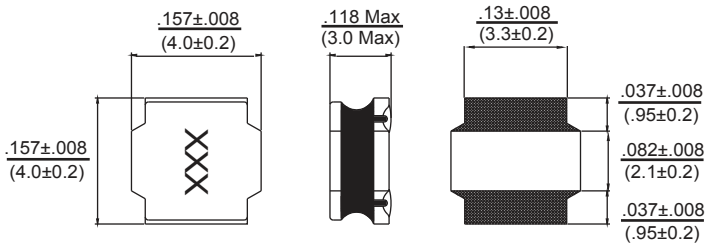
RoHS

SMD SHIELDED POWER CHIP INDUCTOR PCIA49

Dimensions: Inches (mm)



Allied Part Number	Inductance (µH)	Tolerance (%) *	Test Freq. Khz, 0.25V	DCR (Ω) ±30%	Isat (A) Max.	Irms (A) Max.
PCIA49-1R0N-RC	1.0	N	100	.014	5.26	4.15
PCIA49-1R5N-RC	1.5	N	100	.020	4.84	3.34
PCIA49-2R2_ -RC	2.2	M,N	100	.030	4.50	2.95
PCIA49-3R3N-RC	3.3	N	100	.040	3.30	2.40
PCIA49-4R7_ -RC	4.7	M,N	100	.060	2.90	2.00
PCIA49-6R8_ -RC	6.8	M,N	100	.090	2.75	1.60
PCIA49-100_ -RC	10	M,N	1	.100	1.95	1.50
PCIA49-150_ -RC	15	M,N	1	.190	1.65	1.11
PCIA49-220_ -RC	22	M,N	1	.225	1.30	1.00
PCIA49-330_ -RC	33	M,N	1	.330	1.10	0.84
PCIA49-470_ -RC	47	M,N	1	.445	0.95	0.72
PCIA49-680_ -RC	68	M,N	1	.868	0.72	0.52
PCIA49-820_ -RC	82	M,N	1	1.060	0.66	0.47
PCIA49-101_ -RC	100	M,N	1	1.150	0.60	0.45

*Insert desired letter for tolerance: N=30%, M=20%
All specifications subject to change without notice.

Features

- Magnetically Shielded Construction
- High Current
- Low DC Resistence

Electrical

Inductance Range: 1.0µh ~ 100µh (other values being added)
Tolerance: Available in N=30%, M=20%
Operating Temp: -40ºC ~ 125ºC
Rated DC Current: Current at which the Inductance will drop by no more than 30% of its initial value.
Irms: Based on a temp rise of Δ T = 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): HP4284A LCR meter
(DCR): MilliOhm Meter

Physical

Packaging: 2500 per Reel
Marking: EIA Inductance Code