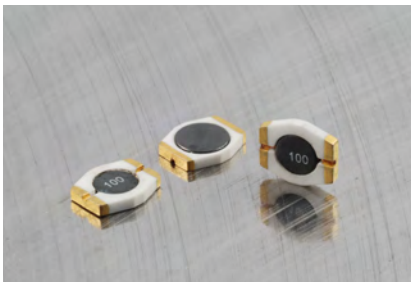
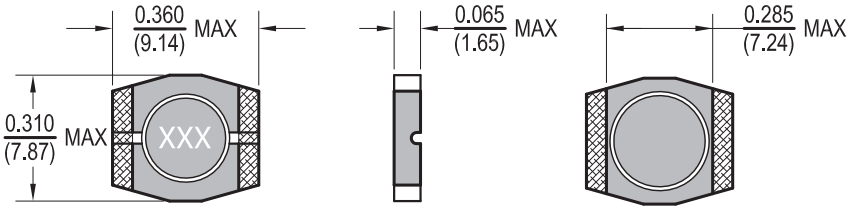
RoHS

Power Chip Low Profile Inductors PCLP20



Dimensions: Inches / (mm)



Allied Part Number	Inductance (µh)	Tolerance (%)	Test Freq. KHz, 1v	DCR Max. (Ω)	Isat (A)
PCLP20-4R7M-RC	4.7	20	100	.145	1.6
PCLP20-6R8M-RC	6.8	20	100	.165	1.3
PCLP20-100M-RC	10	20	100	.240	1.0
PCLP20-150M-RC	15	20	100	.300	0.9
PCLP20-220M-RC	22	20	100	.420	0.7
PCLP20-330M-RC	33	20	100	.550	0.6
PCLP20-470M-RC	47	20	100	.765	0.4
PCLP20-680M-RC	68	20	100	1.10	0.4
PCLP20-101M-RC	100	20	100	1.60	0.3
PCLP20-151M-RC	150	20	100	2.50	.25
PCLP20-221M-RC	220	20	100	3.65	.22
PCLP20-331M-RC	330	20	100	4.65	.18
PCLP20-471M-RC	470	20	100	6.75	14
PCLP20-681M-RC	680	20	100	9.15	.12
PCLP20-102M-RC	1000	20	100	14.2	.10

All specifications subject to change without notice.

Features

- Unshielded SMD low cost design
- Designed for high current applications
- Accurate and consistent dimensions for auto insertion
- Excellent for use in DC-DC converter applications

Electrical

Inductance Range: 4.7µh to 1000µh
Tolerance: 20% over entire range
Also available in tighter tolerances
Test Frequency: (L/Q) as specified
Operating Temp: -40ºC ~ +85ºC
IDC: Current at which Inductance drops 10% of original value

Resistance to Soldering Heat

Test Method: Pre-Heat 150ºC, 1 Min.
Solder Composition: Sn/Ag3.0/Cu0.5
Solder Temp: 260ºC +/- 5ºC for 10 sec ± 1 sec.

Test Equipment

(L & Q): HP4192A Impedence Analyzer
(DCR): Chen Hwa 502
(IDC): HP4284A with HP42841A or CH1061 with CH301A

Physical

Packaging: 2500 pieces per 13 inch reel.
Marking: EIA Inductance Code.