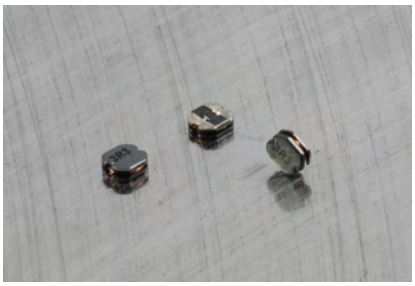
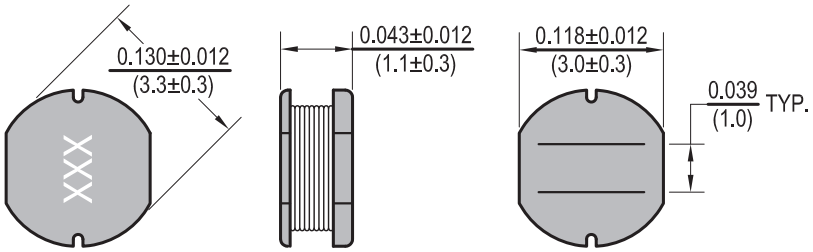
RoHS

Power Chip Inductors PC03011

Dimensions: Inches / (mm)





Allied Part Number	Inductance (µh)	Tolerance (%)	Test Freq. KHz, 1V	DCR Max. (Ω)	IDC (A)
PC03011-1R0M-RC	1.0	20	100	0.08	1.80
PC03011-1R5M-RC	1.5	20	100	0.13	1.44
PC03011-2R2M-RC	2.2	20	100	0.18	1.26
PC03011-3R3M-RC	3.3	20	100	0.27	1.08
PC03011-3R9M-RC	3.9	20	100	0.32	1.00
PC03011-4R7M-RC	4.7	20	100	0.33	0.90
PC03011-5R6M-RC	5.6	20	100	0.48	0.76
PC03011-6R8M-RC	6.8	20	100	0.56	0.68
PC03011-8R2M-RC	8.2	20	100	0.62	0.63
PC03011-100M-RC	10	20	100	0.90	0.56
PC03011-120M-RC	12	20	100	1.00	0.52
PC03011-150M-RC	15	20	100	1.10	0.50
PC03011-180M-RC	18	20	100	1.24	0.46
PC03011-220M-RC	22	20	100	1.40	0.36
PC03011-270M-RC	27	20	100	2.18	0.30
PC03011-330M-RC	33	20	100	2.54	0.28
PC03011-390M-RC	39	20	100	2.80	0.26
PC03011-470M-RC	47	20	100	3.10	0.25
PC03011-500M-RC	50	20	100	3.20	0.24
PC03011-560M-RC	56	20	100	3.50	0.23
PC03011-680M-RC	68	20	100	5.80	0.20
PC03011-750M-RC	75	20	100	6.10	0.18
PC03011-820M-RC	82	20	100	6.60	0.17

All specifications subject to change without notice.

Features

- Unshielded SMD low cost design
- Designed for higher cuurent applications
- Accurate and consistent dimensions for auto insertion
- Excellent for use in DC-DC converter application
- Also available in magnetically shielded

Electrical

Inductance Range: 1.0µh to 82µh
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 with a ΔT= 40 whichever is lower.

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): HP 4192A / HP4285A
(DCR): Chen Hwa 502BC
(IDC): HP4284A with HP42841A or CH1061 with CH301A

Physical

Packaging: 3000 pieces per 13 inch reel.
Marking: 2 Character Alpha Code