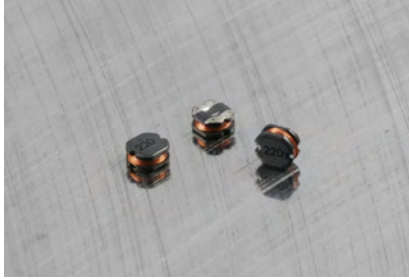
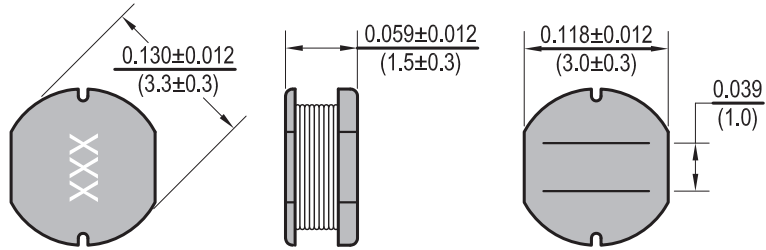




# Power Chip Inductors PC03015



Dimensions:  $\frac{\text{Inches}}{\text{(mm)}}$



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. MHz, 1 V	DCR (Ω)	IDC (A)
PC03015-2R2M-RC	2.2	20	1	0.10	0.79
PC03015-3R3M-RC	3.3	20	1	0.11	0.73
PC03015-4R7M-RC	4.7	20	1	0.15	0.65
PC03015-6R8M-RC	6.8	20	1	0.20	0.77
PC03015-100M-RC	10	20	1	0.30	0.45
PC03015-150M-RC	15	20	1	0.58	0.30
PC03015-220M-RC	22	20	1	0.71	0.25
PC03015-330M-RC	33	20	1	1.10	0.20
PC03015-390M-RC	39	20	1	1.30	0.17
PC03015-470M-RC	47	20	1	1.30	0.17
PC03015-680M-RC	68	20	1	2.20	0.13
PC03015-101M-RC	100	20	1	3.50	0.10
PC03015-221M-RC	220	20	1	10.92	0.07
PC03015-122M-RC	1200	20	1	38	0.05
PC03015-152M-RC	1500	20	1	55	0.03

All specifications subject to change without notice.

## Features

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

## Electrical

**Inductance Range:** 2.2μh to 1500μh  
**Tolerance:** 20% over entire range  
 Also available in tighter tolerances  
**Test Frequency:** (L/Q) as specified  
**Operating Temp:** -40°C ~ +85°C  
**IDC:** Current at which Inductance drops 10% of original value with a ΔT= 40 C whichever is lower.

## Resistance to Soldering Heat

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

## Test Equipment

**(L & Q):** HP4192A Impedance Analyzer  
**(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