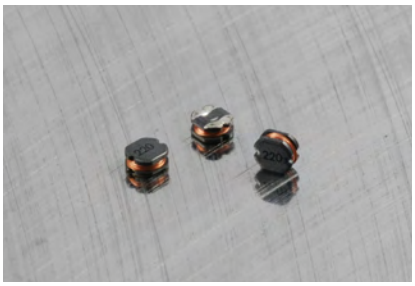
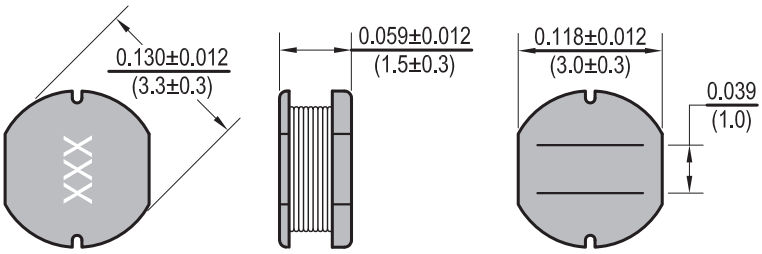
# Power Chip Inductors PC03015

**Dimensions:** Inches / (mm)






| Allied Part Number | Inductance (µh) | Tolerance (%) | Test Freq. MHz, 1 V | DCR (Ω) ±30% | 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 |

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 220µh
**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 C 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):** HP4192A Impedence Analyzer
**(DCR):** Chen Hwa 502BC
**(IDC):** HP4284A with HP42841A or CH1061 with CH301A

## Physical

**Packaging:** 3000 pieces per 13 inch reel.
**Marking:** EIA Inductance Code