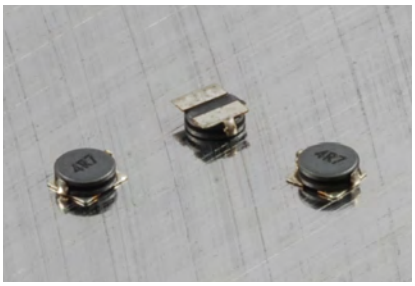
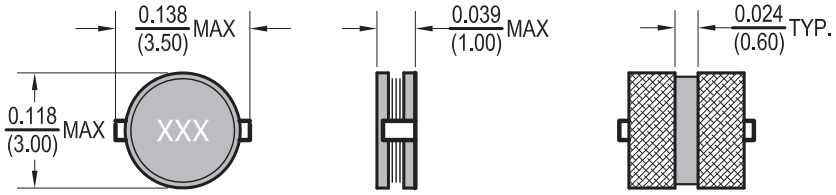
# Power Chip Inductors PC0301



**Dimensions:** Inches / (mm)




| Allied Part Number | Inductance (µh) | Tolerance (%) | Test Freq. KHz,0.1v | DCR Max. (Ω) | IDC (A) |
|---|---|---|---|---|---|
| PC0301-2R2M-RC | 2.2 | 20 | 100 | 0.33 | 1.08 |
| PC0301-3R3M-RC | 3.3 | 20 | 100 | 0.52 | 0.92 |
| PC0301-4R7M-RC | 4.7 | 20 | 100 | 0.62 | 0.74 |
| PC0301-6R8M-RC | 6.8 | 20 | 100 | 0.87 | 0.63 |
| PC0301-8R2M-RC | 8.2 | 20 | 100 | 1.00 | 0.58 |
| PC0301-100M-RC | 10 | 20 | 100 | 1.14 | 0.50 |
| PC0301-120M-RC | 12 | 20 | 100 | 1.44 | 0.46 |
| PC0301-150M-RC | 15 | 20 | 100 | 1.60 | 0.43 |
| PC0301-220M-RC | 22 | 20 | 100 | 1.90 | 0.35 |
| PC0301-270M-RC | 27 | 20 | 100 | 2.85 | 0.32 |

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 application
- High saturation for surface mounting

### Electrical

**Inductance Range:** 2.2µh to 27µh
**Tolerance:** 20% over entire range
**Operating Temp:** -40ºC ~ +85ºC
**IDC:** Current at which Inductance drops 10% of original value

### Resistance to Soldering Heat

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

### Test Equipment

**(L):** PM3260 / HP44284A / HP4285A
**(RDC):** Chen Hwa 502BC
(**IDC):** Chen Hwa 1061 + Chen Hwa 301A or HP4284A + HP42841A

### Physical

**Packaging:** 1000 pieces per 7 inch reel.
**Marking:** EIA Inductance Code