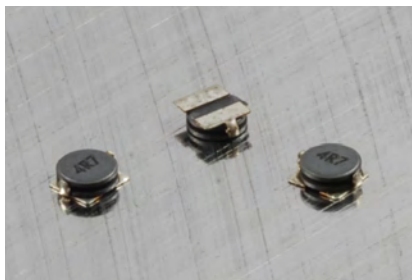
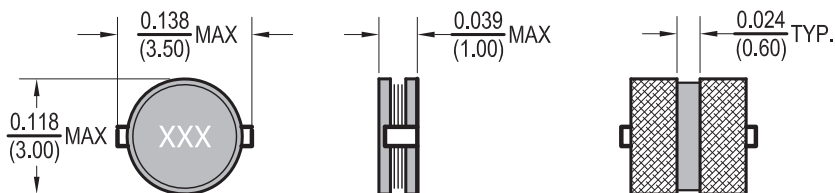




# Power Chip Inductors PC0301



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



Allied Part Number	Inductance ( $\mu\text{h}$ )	Tolerance (%)	Test Freq. KHz, 0.1v	DCR Max. ( $\Omega$ )	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:** 2.2 $\mu\text{h}$  to 27 $\mu\text{h}$

**Tolerance:** 20% over entire range

**Operating Temp:** -40°C ~ +85°C

**IDC:** Current at which Inductance drops 10% of original value

## Resistance to Soldering Heat

Pre-Heat 150°C, 1 Min.

**Solder Composition:** Sn/Ag3.0/Cu0.5

**Solder Temp:** 260°C +/- 5°C for 10 sec  $\pm$  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