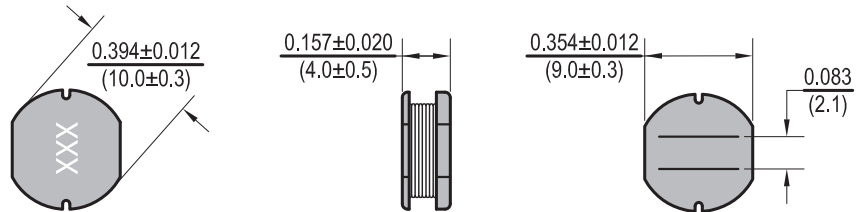




Dimensions:  $\frac{\text{Inches}}{\text{(mm)}}$



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq.	DCR Max. (Ω)	IDC Max. (A)
PC1004-1R0M-RC	1.0	20	100KHz,1V	.009	6.00
PC1004-3R3M-RC	3.3	20	7.96MHz,1V	0.022	4.50
PC1004-3R8M-RC	3.8	20	7.96MHz,1V	0.02	4.20
PC1004-6R8M-RC	6.8	20	7.96MHz,1V	0.04	3.00
PC1004-100M-RC	10	20	2.52MHz,1V	0.05	2.38
PC1004-120M-RC	12	20	2.52MHz,1V	0.06	2.13
PC1004-150M-RC	15	20	2.52MHz,1V	0.07	1.87
PC1004-180M-RC	18	20	2.52MHz,1V	0.08	1.73
PC1004-220M-RC	22	20	2.52MHz,1V	0.09	1.60
PC1004-270M-RC	27	20	2.52MHz,1V	0.10	1.44
PC1004-330K-RC	33	10	2.52MHz,1V	0.12	1.26
PC1004-390K-RC	39	10	2.52MHz,1V	0.15	1.20
PC1004-470K-RC	47	10	2.52MHz,1V	0.17	1.10
PC1004-560K-RC	56	10	2.52MHz,1V	0.20	1.01
PC1004-680K-RC	68	10	2.52MHz,1V	0.22	0.91
PC1004-820K-RC	82	10	2.52MHz,1V	0.30	0.85
PC1004-101K-RC	100	10	1KHz,1V	0.34	0.74
PC1004-121K-RC	120	10	1KHz,1V	0.40	0.69
PC1004-151K-RC	150	10	1KHz,1V	0.54	0.61
PC1004-181K-RC	180	10	1KHz,1V	0.62	0.56
PC1004-221K-RC	220	10	1KHz,1V	0.72	0.53
PC1004-271K-RC	270	10	1KHz,1V	0.95	0.45
PC1004-331K-RC	330	10	1KHz,1V	1.10	0.42
PC1004-391K-RC	390	10	1KHz,1V	1.24	0.38
PC1004-471K-RC	470	10	1KHz,1V	1.53	0.35
PC1004-561K-RC	560	10	1KHz,1V	1.90	0.32

All specifications subject to change without notice.

### Features

- Unshielded SMD Power Inductor
- Available in magnetically shielded
- Suitable for large currents
- Ideal for DC-DC converter applications

### Electrical

**Inductance Range:** 10μh to 560μh

**Tolerance:** Standard tolerance as shown.  
Most values available in tighter tolerances.

**Test Frequency:** As noted

**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

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):** HP4192A LF Impedance Analyzer

**(RDC):** Chen Hwa 502BC

**(IDC):** HP4284A with HP42841A or  
Chen Hwa 1061 + Chen Hwa 301A

### Physical

**Packaging:** 700 pieces per 13 inch reel.

**Marking:** EIA Inductance Code.