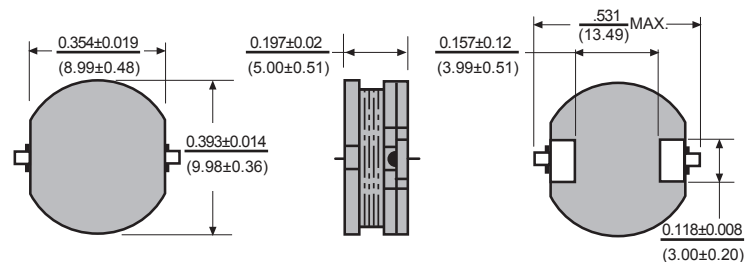




Dimensions: $\frac{\text{Inches}}{\text{(mm)}}$



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. (MHz)	DCR Max. (Ω)	*Rated Current (A)
PC45-100M-RC	10	20	2.52	0.06	2.60
PC45-120M-RC	12	20	2.52	0.07	2.45
PC45-150M-RC	15	20	2.52	0.08	2.27
PC45-180M-RC	18	20	2.52	0.09	2.15
PC45-220M-RC	22	20	2.52	0.10	1.95
PC45-270M-RC	27	20	2.52	0.11	1.76
PC45-330M-RC	33	20	2.52	0.12	1.50
PC45-390M-RC	39	20	2.52	0.14	1.37
PC45-470K-RC	47	10	2.52	0.17	1.28
PC45-560K-RC	56	10	2.52	0.19	1.17
PC45-680K-RC	68	10	2.52	0.22	1.11
PC45-820K-RC	82	10	2.52	0.25	1.00
PC45-101K-RC	100	10	1KHz	0.35	0.97
PC45-121K-RC	120	10	1KHz	0.40	0.89
PC45-151K-RC	150	10	1KHz	0.47	0.78
PC45-181K-RC	180	10	1KHz	0.63	0.72
PC45-221K-RC	220	10	1KHz	0.73	0.66
PC45-271K-RC	270	10	1KHz	0.97	0.57
PC45-331K-RC	330	10	1KHz	1.15	0.52
PC45-391K-RC	390	10	1KHz	1.30	0.48
PC45-471K-RC	470	10	1KHz	1.48	0.42
PC45-561K-RC	560	10	1KHz	1.90	0.33
PC45-681K-RC	680	10	1KHz	2.25	0.28
PC45-821K-RC	820	10	1KHz	2.55	0.24

*Inductance drop no more than 10% at rated current applied or temperature rise $\Delta T = 40^\circ\text{C}$. All specifications subject to change without notice.

Features

- Small size allows for high mounting density
- Suitable for Reflow Solder
- Large DC current capability with low DC resistance
- Embossed carrier tape available
- Polarity identification available
- Custom inductances available

Characteristics

Operating Temp.: -30° to $+100^\circ\text{C}$.

External Appearance: Clean & no external defects by visual inspection

Terminal Strength: After soldering, push the coils will withstand the followings without falling off. 20.0N 20 sec.

Heat Endurance: Heat at 150°C for 3 minutes; then 200°C for 25 seconds. No mechanical or electrical defect after that when back at room temperature.

Insulation: Over 100M ohm at 100 VDC (coil and core).

Dielectric: 100VDC for one minute (coil and core).

Temperature Characteristics: (0 to 2000) $\times 10^{-6}^\circ\text{C}$.

Environmental

Humidity: Deviate $\pm 5\%$, after 96 hours in 90-95% relative humidity at 40°C and 1 hour of drying.

Vibration: Deviate $\pm 5\%$, vibration of 1 hour, three direction; 10-55-10 Hz; 1.5mm p-p amplitude.

Shock: Deviate 5% after drop down 100G shock attitude of one time in each direction.

Physical

Packaging: 600 per 13 inch reel.