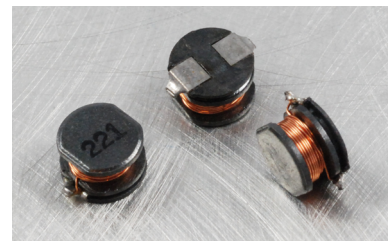
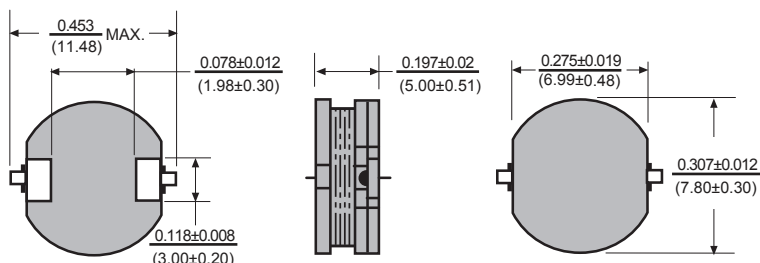


PC35 Power Chip Inductors



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



Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. (MHz)	DCR Max. (Ω)	*Rated Current (A)
PC35-3R0M-RC	3.0	20	100	0.02	5.00
PC35-100K-RC	10	10	2.52	0.07	2.30
PC35-120K-RC	12	10	2.52	0.08	2.00
PC35-150K-RC	15	10	2.52	0.09	1.80
PC35-180K-RC	18	10	2.52	0.10	1.60
PC35-220K-RC	22	10	2.52	0.11	1.50
PC35-270K-RC	27	10	2.52	0.12	1.30
PC35-330K-RC	33	10	2.52	0.13	1.20
PC35-390K-RC	39	10	2.52	0.16	1.10
PC35-470K-RC	47	10	2.52	0.18	1.10
PC35-560K-RC	56	10	2.52	0.24	0.94
PC35-680K-RC	68	10	2.52	0.28	0.85
PC35-820K-RC	82	10	2.52	0.37	0.78
PC35-101K-RC	100	10	1KHz	0.43	0.72
PC35-121K-RC	120	10	1KHz	0.47	0.66
PC35-151K-RC	150	10	1KHz	0.64	0.58
PC35-181K-RC	180	10	1KHz	0.71	0.51
PC35-221K-RC	220	10	1KHz	0.96	0.49
PC35-271K-RC	270	10	1KHz	1.11	0.42
PC35-331K-RC	330	10	1KHz	1.26	0.40
PC35-391K-RC	390	10	1KHz	1.77	0.36
PC35-471K-RC	470	10	1KHz	1.96	0.34

*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) $\times 10^{-6}\text{C}$.

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: 800 per 13 inch reel.