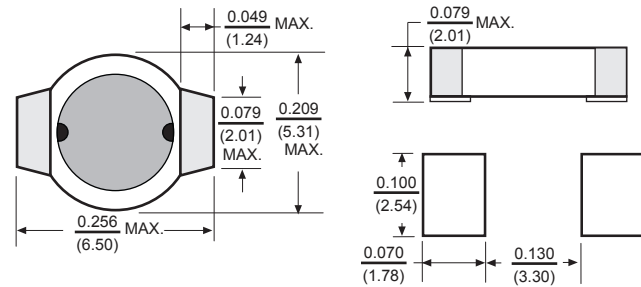




## Power Chip Low Profile Inductors

## PCLP10

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



Allied Part Number	Inductance ( $\mu\text{h}$ )	Tolerance (%)	DCR Max. ( $\Omega$ )	Isat (A)	Irms (A)
PCLP10-1R0M-RC	1.0	20	.05	2.5	2.3
PCLP10-1R5M-RC	1.5	20	.06	2.2	2.1
PCLP10-2R2M-RC	2.2	20	.07	1.8	1.7
PCLP10-3R3M-RC	3.3	20	.12	1.4	1.3
PCLP10-4R7M-RC	4.7	20	.15	1.2	1.1
PCLP10-6R8M-RC	6.8	20	.20	1.1	1.0
PCLP10-100M-RC	10	20	.30	1.0	.90
PCLP10-150M-RC	15	20	.40	0.8	.70
PCLP10-220M-RC	22	20	.54	0.6	.50
PCLP10-330M-RC	33	20	.74	0.5	.45
PCLP10-470M-RC	47	20	1.1	.45	.40
PCLP10-680M-RC	68	20	1.6	.35	.35
PCLP10-101M-RC	100	20	2.3	.30	.30
PCLP10-151M-RC	150	20	3.5	.25	.25
PCLP10-221M-RC	220	20	5.7	.20	.18
PCLP10-331M-RC	330	20	8.2	.16	.16
PCLP10-471M-RC	470	20	10.8	.14	.12
PCLP10-681M-RC	680	20	17.2	.12	.10
PCLP10-102M-RC	1000	20	22.6	.08	.08

### Features

- Designed for applications requiring high inductance, high current and an ultra low profile
- Maximum height of .079 inches with current ratings up to 2.5 amps
- Wide inductance range from 1  $\mu\text{h}$  to 1000  $\mu\text{h}$
- Flat top for pick and place assembly

### Electrical

**Inductance Range:** 1.0  $\mu\text{h}$  to 1000  $\mu\text{h}$ .

**Tolerance:**  $\pm 20\%$  over the entire inductance range.

**Test Frequency:** Inductance measured at 100KHz, 0.1 Vrms.

**Operating Temp. Range:**  $-40^\circ$  to  $+85^\circ\text{C}$ .

**Inductance Drop:** 10% typically at the rated Isat.

**Temperature Rise:**  $\Delta T=40^\circ\text{C}$  rise typical at Irms.

### Physical

**Packaging:** 3500 pieces per 13 inch reel.

Available in tighter tolerances.  
All specifications subject to change without notice.