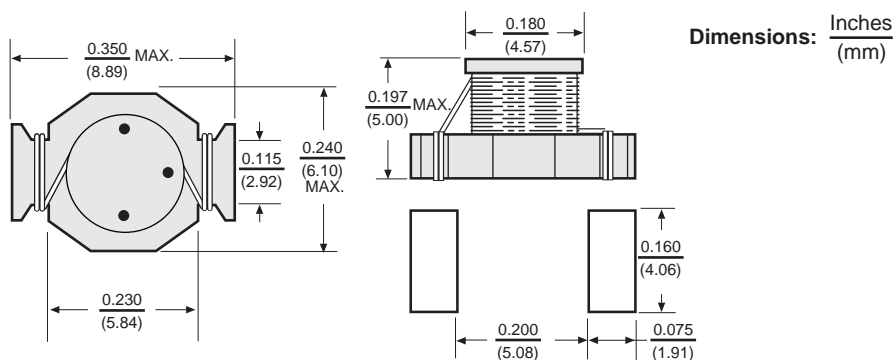


# PCHC25 Power Chip High Current Inductors



\* Notice of marking change see "Marking" below.

## Features

- Designed for high power DC to DC applications
- Saturation current up to 7.7A
- Extremely low DCR
- Rugged self leaded construction
- Provided in tape and reel packaging for pick and place assembly

## Electrical

**Inductance Range:** .56 $\mu$ h to 47 $\mu$ h.

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

**Test Frequency:** Inductance measured at 100KHz, 0.25 Vrms.

**Operating Temp. Range:** -40° to +85°C.

**Inductance Drop:** 30% typically at the rated Isat.

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

Allied Part Number	Inductance ( $\mu$ h)	Tolerance (%)	SRF Reference (MHz)	DCR Max. ( $\Omega$ )	Isat (A)	Irms (A)
PCHC25-R56M-RC	0.56	20	200	.010	7.7	6.0
PCHC25-1R0M-RC	1.00	20	140	.017	5.3	4.4
PCHC25-1R2M-RC	1.20	20	140	.017	5.3	4.4
PCHC25-2R2M-RC	2.20	20	100	.035	3.5	3.1
PCHC25-4R7M-RC	4.70	20	50	.054	2.6	2.2
PCHC25-100M-RC	10.0	20	40	.111	1.9	1.5
PCHC25-150M-RC	15.0	20	30	.170	1.5	1.2
PCHC25-220M-RC	22.0	20	25	.250	1.2	1.0
PCHC25-330M-RC	33.0	20	20	.350	.99	.82
PCHC25-470M-RC	47.0	20	15	.470	.87	.72

All specifications subject to change without notice.

## Physical

**Marking:** Notice: We will be changing our marking system to the 4 character EIA code for inductance and tolerance. For example: "101K" for 100 $\mu$ h 10%.

**Packaging:** 1000 pieces per 13 inch reel.