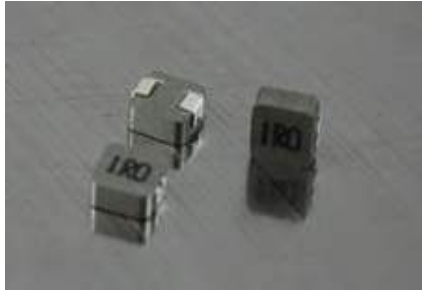


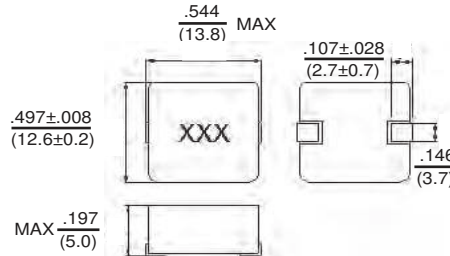


# Power Choke High Current

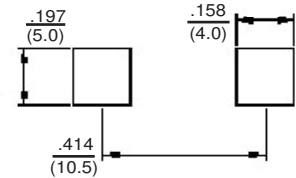
# PCHC1250R7



Dimensions: Inches  
(mm)



### Recommended Pattern



Allied Part Number	Inductance (µH)	Tolerance (%)	Test Freq. KHz, 0.5V	DCR (mΩ) Max	Isat (A) (Typ)	Irms (A) (Typ)
PCHC1250R7-R47M-RC	0.47	20	100	1.2	46	37
PCHC1250R7-1R0M-RC	1.0	20	100	2.5	37	29
PCHC1250R7-4R7M-RC	4.7	20	100	11.5	16	11
PCHC1250R7-6R8M-RC	6.8	20	100	22.0	14	9
PCHC1250R7-100M-RC	10	20	100	22.0	13	7

All specifications subject to change without notice.

### Features

- Magnetically shielded construction
- High saturation current up to 46A
- Expanded operating temp range
- Low DC Resistance
- Suitable for pick and place

### Electrical

**Inductance Range:** .47µH to 10µH

Additional values available

**Tolerance:** 20% over entire range, Available in tighter tolerances

**Test Frequency:** 100KHz, 0.5Vdc

**Operating Temp:** -55°C ~ +125°C

**Storage Temp:** -55°C ~ +125°C

**Irms Current:** ΔT=40°C Typical at heat rate current.

**Isat Current:** 30% typical at rated Isat  
Part Temperature should not exceed 125°C including temperature rise.

### Resistance to Soldering Heat

Pre-Heat 150°C, 1 minute.

**Solder Composition:** Sn/Ag3.0/Cu0.5

**Solder Temp:** 260°C ± 5°C

**Immersion Time:** 10 sec. ± 1 sec.

### Test Equipment

(L): WK 3260B

(DCR): Chen HWA502

IDC: 3260B WK & DC Bias 3265BWK

### Physical

**Packaging:** 500 pieces per 13 inch reel.

**Marking:** EIA Inductance Code

