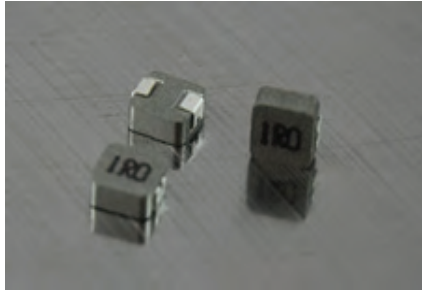


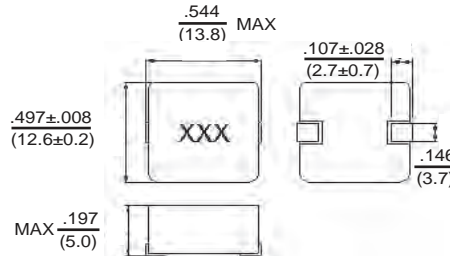


Power Choke High Current

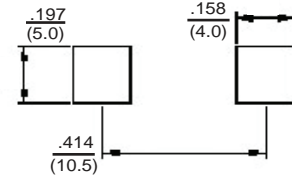
PCHC1250R7



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

