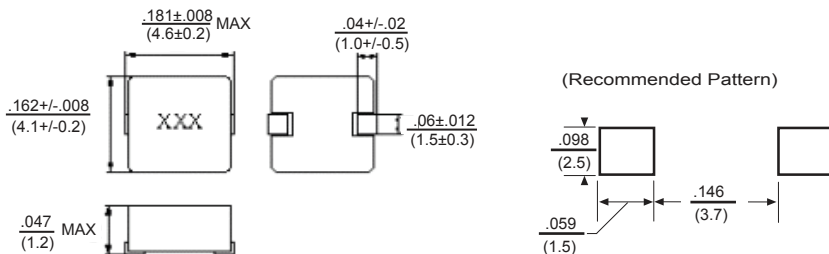




SMD High Current Shielded Choke PCHC412R8L

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



*Photo for reference only.

| Allied Part Number | Inductance (µH) | Tolerance (±%) | Test Frequency (KHz, 0.5V) | RDC(mΩ) Max(Typ) | Isat (A) Max(Typ) | Irms (A) Max(Typ) |
|--------------------|-----------------|----------------|----------------------------|------------------|-------------------|-------------------|
| PCHC412R8L-1R0M-RC | 1.0 | 20 | 100 | 35(32) | 6.0(6.5) | 4.5(5.0) |

All specifications subject to change without notice.

Features

- Magnetically shielded construction
- Ultra High saturation current up to 6.0A
- Low DC Resistance
- Expanded operating temp range
- Suitable for pick and place

Electrical

Inductance Range: 1.0µH additional values available.

Tolerance: 20% over entire range

Test Frequency: 100KHz, 0.5Vdc

Operating Temp: -55°C ~ +125°C

Irms: The current at which the Temp will rise by 40°C from Ambient without current.

Isat: The current at which the inductance will drop by no more than 30% from initial value without current. Under no condition should the temperature of the part exceed 125°C.

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 3265B WK

Physical

Packaging: 2000 pieces per 13 inch reel.

Marking: EIA Inductance Code

Graph:

