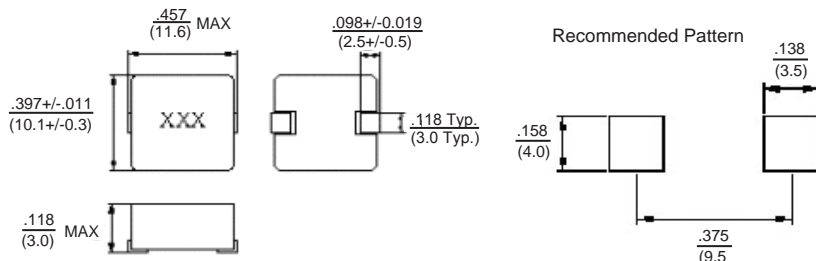




Power Choke High Current PCHC103R7

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



Allied Part Number	Inductance ()	Tolerance (%)	DCR (mΩ) Max.	I _{rms} (A) Typ.	I _{sat} (A) Typ.
PCHC103R7-R33M-RC	.33	20	1.6	23	32
PCHC103R7-1R0M-RC	1.0	20	1.2	15	21
PCHC103R7-1R5M-RC	1.5	20	1.2	13.5	18

All specifications subject to change without notice.

Features

- Magnetically shielded Construction
- High saturation current up to 32A
- Low DC Resistance
- Expanded operating temp range
- Suitable for pick and place

Electrical

Inductance Range: .33μh to 1.5μh, additional values available.

Tolerance: 20% over entire range Available in tighter tolerances.

Test Frequency: 100KHz, 0.5V

Operating Temp: -55°C ~ +125°C

StorageTemp: -55°C ~ +125°C

Temp Rise: T=40°C Typical heat rated current.

Inductance Drop: 30% typical at rated I_{sat} drop approximately 30%.

Under no conditions should the temperature of the part exceed 125°C.

Resistance to Soldering Heat

Pre-Heat 150°C, 1 Min.

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: 500 pieces per 13 inch reel.

Marking: EIA Inductance Code