SMD High Current Shielded Choke  PCHC104R8

Dimensions: Inches (mm)

Allied Part Number | Inductance (µH) | Tolerance (±%) | Test Frequency (KHz, 0.5V) | RDC (mΩ) Max | Isat (A) Typ | Irms (A) Typ
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PCHC104R8-4R7M-RC | 4.7 | 20 | 100 | 16.5 | 13 | 10

Inductance v.s DC Current

Temperature Change v.s DC Current

Features

- Magnetically shielded construction
- Ultra High saturation current up to 13A
- Low RD Resistance
- Expanded operating temp range
- Suitable for pick and place

Electrical

Inductance Range: 4.7µH additional values available.
Tolerance: 20% over entire range
Test Frequency: 100KHz, 0.5Vdc
Operating Temp: -55ºC ~ +125ºC
Storage Temp: -55ºC ~ +125ºC
Temp. Rise: Δ=40ºC Typical at heat rated current.
Under no condition should the part exceed 125ºC.
Inductance drop: 30% typical at rated Isat

Resistance to Soldering Heat

Pre-Heat 150ºC, 1 minute.
Solder Composition: Sn/Ag3.0/Cu0.5
Solder Temp: 260ºC ± 5ºC
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