**SMD High Current Shielded Choke  PCHC515R8**

**Features**
- Magnetically shielded construction
- Ultra High saturation current up to 12A
- Low RD Resistance
- Expanded operating temp range
- Suitable for pick and place

**Electrical**

Inductance Range: .47μH to 10uH additional values available.
Tolerance: 20% over entire range
Test Frequency: 100KHz, 0.5Vdc
Operating Temp: -55°C ~ +125°C
Storage Temp: -55°C ~ +125°C
Temp. Rise: Δ=40°C Typical at heat rated current.
Under no condition should the part exceed 125°C.
Inductance drop: 30% typical at rated Isat

**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: 1000 pieces per 13 inch reel.
Marking: EIA Inductance Code

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**Dimensions: Inches (mm)**

**Allied Part Number | Inductance (µH) | Tolerance (±%) | Test Frequency (KHz, 0.5V) | RDC (mΩ) Max | Isat (A) Typ | Irms (A) Typ**
---|---|---|---|---|---|---
PCHC515R8-R47M-RC | .47 | 20 | 100 | 16 | 12 | 8.0
PCHC515R8-1R0M-RC | 1.0 | 20 | 100 | 23 | 10 | 6.0
PCHC515R8-1R5M-RC | 1.5 | 20 | 100 | 33 | 8.0 | 5.0
PCHC515R8-2R2M-RC | 2.2 | 20 | 100 | 68 | 6.0 | 3.3
PCHC515R8-3R3M-RC | 3.3 | 20 | 100 | 84 | 5.0 | 3.0
PCHC515R8-4R7M-RC | 4.7 | 20 | 100 | 135 | 4.0 | 2.5
PCHC515R8-5R6M-RC | 5.6 | 20 | 100 | 175 | 3.5 | 2.2
PCHC515R8-6R8M-RC | 6.8 | 20 | 100 | 192 | 3.0 | 2.0
PCHC515R8-100M-RC | 10 | 20 | 100 | 195 | 2.0 | 1.5

All specifications subject to change without notice.