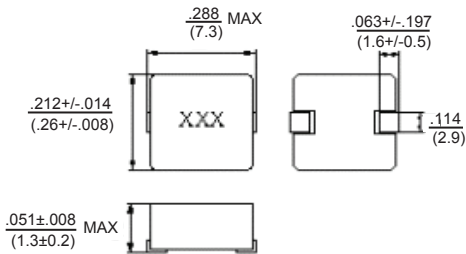


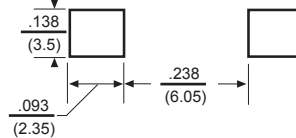


# SMD High Current Shielded Choke PCHC615R8A

Dimensions: Inches  
(mm)



(Recommended Solder Pads)



Allied Part Number	Inductance (μH)	Tolerance (±%)	Test Frequency (KHz, 0.5V)	RDC (mΩ) Max	Isat (A) Typ	Irms (A) Typ
PCHC615R8A-1R0M-RC	1.0	20	100	21	9.0	5.5
PCHC615R8A-3R3M-RC	3.3	20	100	63	5.5	3.3
PCHC615R8A-100M-RC	10	20	100	175	3.0	2.0

All specifications subject to change without notice.

### Features

- Magnetically shielded construction
- Ultra High saturation current up to 9A
- Low RD Resistance
- Expanded operating temp range
- Suitable for pick and place

### Electrical

**Inductance Range:** 1.0μH to 10μH additional values available.

**Tolerance:** 20% over entire range

**Test Frequency:** 100KHz, 0.5Vdc

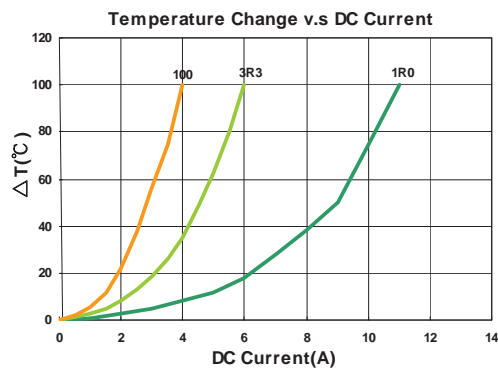
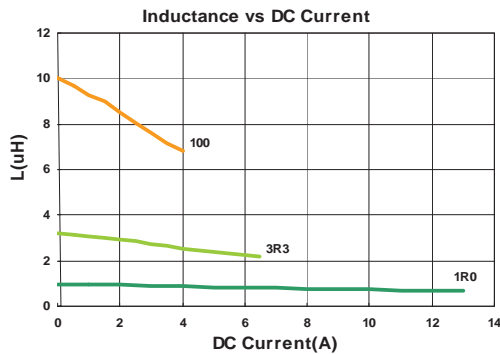
**Operating Temp:** -55°C ~ +125°C

**Storage Temp:** -55°C ~ +125°C

**Temp. Rise:** Δ=40°C Typical at heat rated current.

Under no condition should the temp. of 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