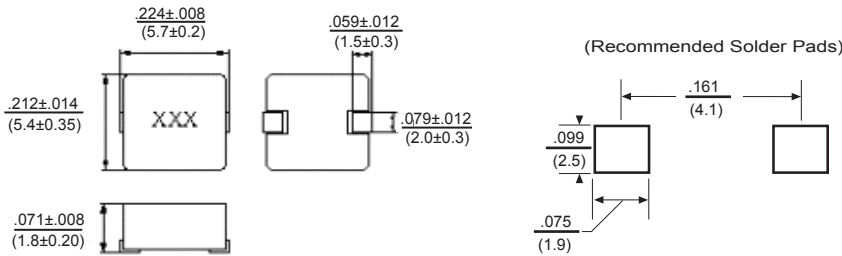




# SMD High Current Shielded Choke PCHC520R8

Dimensions: Inches  
(mm)



Allied Part Number	Inductance (μH)	Tolerance (±%)	Test Frequency (KHz, 0.5V)	RDC (mΩ) Max	Isat (A) Typ	Irms (A) Typ
PCHC520R8-R47M-RC	0.47	20	100	9	15.5	10.5
PCHC520R8-1R0M-RC	1.0	20	100	30	7.0	6.0
PCHC520R8-1R5M-RC	1.5	20	100	35	6.5	5.5
PCHC520R8-2R2M-RC	2.2	20	100	45	6.0	4.0
PCHC520R8-3R3M-RC	3.3	20	100	60	5.5	3.5
PCHC520R8-4R7M-RC	4.7	20	100	90	5.0	3.0
PCHC520R8-5R6M-RC	5.6	20	100	120	4.5	2.8
PCHC520R8-6R8M-RC	6.8	20	100	125	4.5	2.8
PCHC520R8-100M-RC	10	20	100	180	4.0	2.3

All specifications subject to change without notice.

### Features

- Magnetically shielded construction
- High saturation current up to 15.5A
- Low DC Resistance
- Expanded operating temp range
- Suitable for pick and place

### Electrical

**Inductance Range:** 0.47μH 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

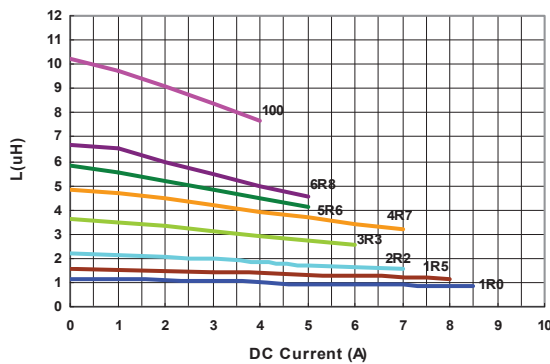
IDC: 3260B WK & DC Bias 3265B WK

### Physical

**Packaging:** 1000 pieces per 13 inch reel.

**Marking:** EIA Inductance Code

Inductance v.s DC Current



Temperature Change v.s DC Current

