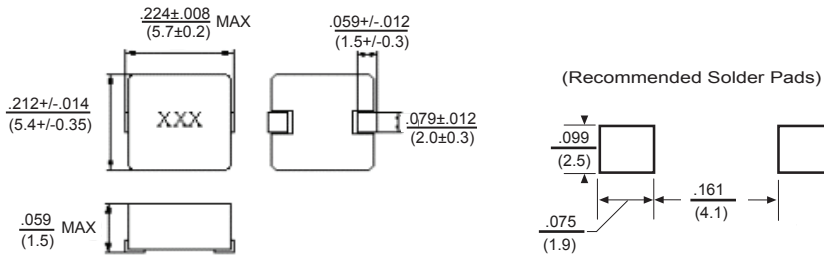




# SMD High Current Shielded Choke PCHC515R8

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-R68M-RC	.68	20	100	23	10	6.0
PCHC515R8-1R0M-RC	1.0	20	100	33	8.0	5.0
PCHC515R8-1R5M-RC	1.5	20	100	50	6.0	4.0
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.

### 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

