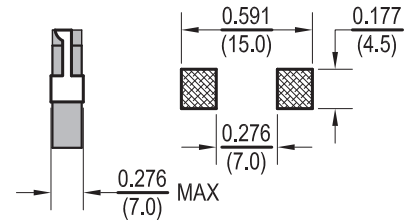
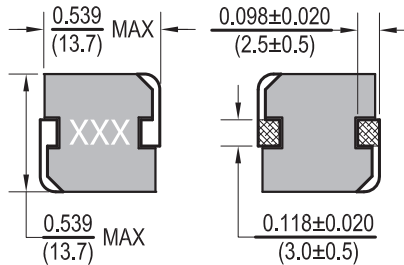


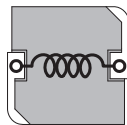
Dimensions: Inches  
(mm)



Allied Part Number	Inductance (μH)	Tolerance (%)	Test Freq. KHz, 1v	DCR (Ω) Max	Isat (A)	Irms (A) Max.
PCHC127H-R47M-RC	0.47	20	100	1.2	65	41
PCHC127H-R68M-RC	0.68	20	100	1.6	60	35
PCHC127H-1R0M-RC	1.00	20	100	2.1	50	32
PCHC127H-1R5M-RC	1.50	20	100	2.6	48	27
PCHC127H-2R2M-RC	2.20	20	100	4.2	40	22
PCHC127H-3R3M-RC	3.30	20	100	6.8	35	18
PCHC127H-4R7M-RC	4.70	20	100	11.2	30	15
PCHC127H-6R8M-RC	6.80	20	100	14	21	12
PCHC127H-100M-RC	10	20	100	16.8	16	10

All specifications subject to change without notice.

#### Schematic



#### Features

- Magnetically shielded construction
- High saturation current up to 65A
- Expanded operating temp range
- Low DC Resistance
- Suitable for pick and place

#### Electrical

**Inductance Range:** .47μH to 10μH

Additional values available

**Tolerance:** 20% over entire range, Available in tighter tolerances

**Test Frequency:** 100KHz, 1.0Vdc

**Operating Temp:** -55°C ~ +125°C

**Storage Temp:** -55°C ~ +125°C

**Temp Rise:** ΔT=40°C Typical at rated I<sub>rms</sub> without core loss.

Part temperature should not exceed 125°C including temperature rise.

**Inductance Drop:** 20% 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):** HP4284A LCR meter or equivalent

**(DCR):** CH16502, Agilent 33420A Mico-Ohm Meter

**IDC:** 3260B WK & DC Bias 3265BWK

#### Physical

**Packaging:** 500 pieces per 13 inch reel.

**Marking:** EIA Inductance Code