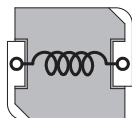


Allied Part Number	Inductance (μh)	Tolerance (%)	Test Freq. KHz, 1v	DCR (mΩ) Max	Isat (A)	Irms (A) Max.
PCHC63H-R33M-RC	0.33	20	100	3.9	30	20
PCHC63H-R47M-RC	0.47	20	100	4.2	26	17.5
PCHC63H-R68M-RC	0.68	20	100	5.5	23	15.5
PCHC63H-1R0M-RC	1.00	20	100	10	16	11
PCHC63H-1R5M-RC	1.50	20	100	15	14	9
PCHC63H-2R2M-RC	2.20	20	100	20	12	8
PCHC63H-3R3M-RC	3.30	20	100	30	10	6
PCHC63H-4R7M-RC	4.70	20	100	40	6.5	5.5
PCHC63H-6R8M-RC	6.80	20	100	60	6	4.5
PCHC63H-8R2M-RC	8.20	20	100	68	5.5	4
PCHC63H-100M-RC	10	20	100	105	4.5	3

All specifications subject to change without notice.

### Schematic



### Features

- Magnetically shielded construction
- High saturation current up to 30A
- Expanding operating temp range
- Low DCR resistance
- Suitable for pick and place

### Electrical

**Inductance Range:** .33μH to 10μH

Available in tighter tolerances

**Tolerance:** 20% over entire range,

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

**Operating Temp:** -55°C ~ +125°C

**Storage Temp:** -55°C ~ +125°C

**Temp rise:** Δ T=40°C Typical at rated Irms with out 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): HP 4284A LCR meter or equivalent

(DCR): CH16502, Agilent 33420A Micro-Ohm meter

(IDC): 3260B WK & DC Bias 3265B WK

### Physical

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

**Marking:** EIA Inductance Code