### Power Choke High Current

#### PCHC104H

**Features**
- Magnetically shielded construction
- High saturation current up to 40A
- Expanding operating temp range
- Low DCR resistance
- Suitable for pick and place

**Electrical**

- **Inductance Range**: 0.36µH to 10µH
- Additional values available
- **Tolerance**: 20% over entire range, Available in tighter tolerances
- **Test Frequency**: 100kHz, 1.0Vdc
- **Operating Temp**: -55ºC ~ +125ºC
- **Storage Temp**: -55ºC ~ +125ºC
- **Temp rise**: ΔT=40ºC Typical at rated Irms with out core loss.
- **Part temperature should not exceed 125ºC including temperature rise.**
- **Inductance drop**: 20% typical at rated Isat

**Resistance to Soldering Heat**

- Pre-Heat 150ºC, 1 minute.
- **Solder Composition**: Sn/Ag3.0/Cu0.5
- **Solder Temp**: 260ºC ± 5ºC
- **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**: 900 pieces per 13 inch reel.
- **Marking**: EIA Inductance Code

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### Allied Components International

714-665-1140

www.alliedcomponents.com

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<table>
<thead>
<tr>
<th>Allied Part Number</th>
<th>Inductance (µH)</th>
<th>Tolerance (%)</th>
<th>Test Freq. KHz, V</th>
<th>DCR (mΩ) Max</th>
<th>Isat (A)</th>
<th>Irms (A) Max</th>
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All specifications subject to change without notice.