**Power Choke High Current**

**PCHC63H**

### Dimensions:

<table>
<thead>
<tr>
<th>Inches (mm)</th>
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<tbody>
<tr>
<td>0.307 (7.8)</td>
</tr>
<tr>
<td>0.063±0.020 (1.6±0.5)</td>
</tr>
<tr>
<td>0.126 MAX (3.2)</td>
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<tr>
<td>0.343 (8.7)</td>
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<tr>
<td>0.138 (3.5)</td>
</tr>
<tr>
<td>0.276 MAX (7.0)</td>
</tr>
<tr>
<td>0.083±0.020 (2.1±0.5)</td>
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</table>

### 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:** -55ºC ~ +125ºC
- **Storage Temp:** -55ºC ~ +125ºC
- **Temp rise:** Δ T=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:** 1000 pieces per 13 inch reel.
- **Marking:** EIA Inductance Code

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All specifications subject to change without notice.