**C070SM SERIES**

Broadband Conical Surface Mount Inductor

*Outgassing Tested per ASTM E595 (*)

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### TAPE AND REEL SPECS

- **Pieces/reel maximum:** 2000
- **Pitch between parts:** 4 mm
- **Tape width:** 8 mm
- **Reel diameter:** 7 in.

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### NOTES

- **Operating Temperature Range:** -55°C to +125°C
- **Current Rating** is based on a 35°C temperature rise at an ambient temperature of 90°C
- **Wire Type:** Copper
- **Weight MAX:** 0.010 grams
- **All non-tolerance and electrical data are reference only and based on nominal data**
- **Terminal is elongated to allow for soldering close to the tip of the coil**
- **Recommended that component is epoxied to substrate before reflow soldering**
- **Materials are fungus-inert to meet method 508 of MIL-STD-810H**
  - Meets a TML (Total Mass Loss) requirement of 1.0% maximum when tested in accordance with ASTM E595; this calculation does not include WVR (Water Vapor Recovered)
- **Custom designs are available to meet your specific requirements; please contact factory**

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### PART NUMBER DERIVATION

**GEC Series**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>L µH @ 10 MHz</th>
<th>DCR Ω MAX</th>
<th>CURRENT RATING mA DC</th>
<th>TURNS</th>
<th>WIRE SIZE AWG</th>
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</thead>
<tbody>
<tr>
<td>C070SM1538G6</td>
<td>0.165</td>
<td>0.080</td>
<td>625</td>
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<tr>
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*Made in the U.S.A.*

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