**Series 4501R**

**Surface Mount Low-Profile Power Toroids**

**Test Methods**  
Solderability per MIL-STD-202, Method 208. Inductance tested @ 10 kHz and zero Amps DC. Tested at 25°C.

**Mechanical Configuration**  
A flat top surface mount case with excellent coplanarity of terminals.

**Physical Parameters**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Inches</th>
<th>Millimeters</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>0.285 ± 0.010</td>
<td>7.24 ± 0.25</td>
</tr>
<tr>
<td>B</td>
<td>0.360 ± 0.010</td>
<td>9.14 ± 0.25</td>
</tr>
<tr>
<td>C</td>
<td>0.060 ± 0.010</td>
<td>1.52 ± 0.25</td>
</tr>
<tr>
<td>D</td>
<td>0.350 ± 0.010</td>
<td>8.90 ± 0.25</td>
</tr>
<tr>
<td>E</td>
<td>0.200 ± 0.010</td>
<td>5.08 ± 0.25</td>
</tr>
<tr>
<td>F</td>
<td>0.025 ± 0.010</td>
<td>0.64 ± 0.25</td>
</tr>
<tr>
<td>G</td>
<td>0.040 (Ref.)</td>
<td>1.02 (Ref.)</td>
</tr>
</tbody>
</table>

**Electrical Configuration**  
Two inductors per unit; internal terminals: #1(start) – #2(finish) & #4(start) – #3 (finish).

**Series**  
Externally connect #2 to #4.

**Parallel**  
Externally connect #1 to # 4 and # 2 to # 3.

**Operating Temperature Range**  
−55°C to +125°C

**Rated DC Current**  
Based upon 20°C temperature rise from 25°C ambient.

**Maximum Power Dissipation at 25°C**  
0.230 Watts

**Inductance Tolerance**  
Tolerance is specified by suffixing an alpha character to the part number as follows: K = 10%, L = 15%, M = 20%. Units are normally supplied to the tolerance indicated in the tables.

**Marking**  
Delevan; inductance and tolerance. A white dot indicates the location of pin 1. Note: RoHS component components will be marked with 4501R.

**Example:**  
4501R-102M

**LAND PATTERN DIMENSIONS**

- 0.040" (4 places)
- 0.100 square
- 0.285

**Series Connected Specifications**

- **Inductance**  
Four (4) times parallel inductance specifications.
- **DCR**  
Four (4) times parallel DCR specifications.
- **Rated DC Current**  
Minimum One-half of parallel Rated DC Current specifications.
- **Packaging**  
Tape & reel (24mm): 13" reel, 600 pieces max.; 7" reel not available
- **Weight (Grams)**  
1.0 (Ref.)