Toroids (5961002701)

Part Number: 5961002701

61 TOROID

Explanation of Part Numbers:
- Digits 1 & 2 = Product Class
- Digits 3 & 4 = Material Grade
□ – 9th digit 1 = Parylene Coating, 2 = Thermo- Set Plastic Coating

A ring configuration provides the ultimate utilization of the intrinsic ferrite material properties. Toroidal cores are used in a wide variety of applications such as power input filters, ground-fault interrupters, common-mode filters and in pulse and broadband transformers.

□ All toroidal cores are supplied burnished to break sharp edges.

Coating Options:
□□ – Toroids with an outside diameter of 9.5 mm (0.375”) or smaller can be supplied Parylene C coated. The Parylene coating will increase the “A” and “C” dimensions and decrease the “B” dimension a maximum of 0.038 mm (0.0015”). The ninth digit of a Parylene coated toroid part number is a “1”. See reference tables for the material characteristics of Parylene C. Parylene C coating is RoHS compliant.
□ – Toroids with an outside diameter of 9.5 mm (0.375”) or larger can be supplied with a uniform coating of thermo- set plastic coating. This coating will increase the “A” and “C” dimensions and decrease the “B” dimension a maximum of 0.5 mm (0.020”). The 9th digit of the thermo- set plastic coated toroid part number is a “2”. Thermo- set plastic coating is RoHS compliant.
□ – Thermo- set plastic coated parts can withstand a minimum breakdown voltage of 1000 Vrms, uniformly applied across the “C” dimension of the toroid.

□ For any toroidal core requirement not listed in the catalog, please contact our customer service department for availability and pricing.

The □ C □ dimension may be modified to suit specific applications.

Weight: 33 (g)

<table>
<thead>
<tr>
<th>Dim</th>
<th>mm</th>
<th>mm tol</th>
<th>nominal inch</th>
<th>inch misc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>35.55</td>
<td>±0.75</td>
<td>1.4</td>
<td>–</td>
</tr>
<tr>
<td>B</td>
<td>23</td>
<td>±0.55</td>
<td>0.9</td>
<td>–</td>
</tr>
<tr>
<td>C</td>
<td>12.7</td>
<td>±0.50</td>
<td>0.5</td>
<td>–</td>
</tr>
</tbody>
</table>

Chart Legend
Σ/ A : Core Constant, l_e : Effective Path Length, A_e : Effective Cross-Sectional Area, V_e : Effective Core Volume, L : Inductance Factor

Electrical Properties
A_e (nH) : 140 ±25%
A_e (cm³) : 0.79
Σ/ A (cm³) : 11.2
l_e (cm) : 8.9
V_e (cm³) : 7

Toroids are tested for A_e values at 10 kHz.