

Part Number: 5975004921

75 TOROID PLASTIC COATED

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.

[Catalog Drawing](#)
[3D Model](#)


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

Weight: 4 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A | 16.9 | Max | 0.665 | Max |
| B | 8.8 | Min | 0.347 | Min |
| C | 7.1 | Max | 0.279 | Max |

**Chart Legend**

$\Sigma l/A$: Core Constant, l_e : Effective Path Length, A_e : Effective Cross-Sectional Area, V_e : Effective Core Volume

A_L : Inductance Factor 

| Electrical Properties | |
|----------------------------------|----------------|
| A_L (nH) | 3225+20%, -25% |
| A_e (cm ²) | 0.199 |
| $\Sigma l/A$ (cm ⁻¹) | 19.4 |
| l_e (cm) | 3.85 |
| V_e (cm ³) | 0.77 |

Toroids are tested for A_L values at 10 kHz.

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