

## Contribute of Compliance Toroids (5975004921)



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.

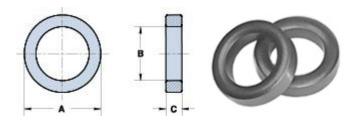
☐ For any toroidal core requirement not listed in the catalog, please contact our customer service department for availability and pricing.

Catalog Drawing
3D Model

The  $\sqcap C \sqcap$  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
В	8.8	Min	0.347	Min
С	7.1	Max	0.279	Max



**Chart Legend** 

 $\Sigma l/A \ : \ Core \ Constant, \quad l_{_e}: \ Effective \ Path \ Length, \quad A_{_e}: \ Effective \ Cross-Sectional \ Area, \quad V_{_e}:$ 

Effective Core Volume

 $A_L$ : Inductance Factor

Electrical Properties				
$A_L(nH)$	3225+20%, -25%			
Ae(cm <sup>2</sup> )	0.199			
$\Sigma l/A(cm^{-1})$	19.4			
l <sub>e</sub> (cm)	3.85			
$V_{\rm e}({\rm cm}^3)$	0.77			

Toroids are tested for  $A_{\scriptscriptstyle L}$  values at 10 kHz.

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