

Part Number: 5976000211

76 TOROID PARYLENE 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: 0.83 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	9.74	Max	0.383	Max
B	4.56	Min	0.18	Min
C	3.34	Max	0.131	Max

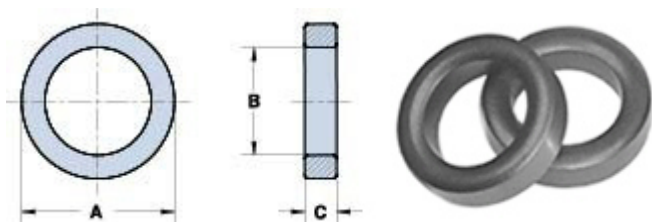



Chart Legend

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

Electrical Properties	
$A_L(\text{nH})$	$4400 \pm 30\%$
$A_e(\text{cm}^2)$	0.073
$\Sigma l/A(\text{cm}^{-1})$	28.6
$l_e(\text{cm})$	2.07
$V_e(\text{cm}^3)$	0.15

Toroids are tested for A_L values at 10 kHz.

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