Toroids (5978018601)



Part Number: 5978018601

78 TOROID

Explanation of Part Numbers:

- Digits 1 & 2 = Product Class
- − Digits 3 & 4 = Material Grade
- \Box 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.

inch misc

The $\Box C\Box$ dimension may be modified to suit specific applications.

nominal inch

Weight: 90 (g)

mm tol

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A	43.6	±1.00	1.717	_				
В	23.1	±0.50	0.909	_				
C	18	±0.50	0.709	_	Chart Lagard			
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$							
A_L :	Induct	ance Factor						

Electrical Properties					
$A_L(nH)$	$5260 \pm 25\%$				
Ae(cm ²)	1.78				
$\Sigma l/A(cm^{-1})$	5.5				
l _e (cm)	9.8				
V _a (cm ³)	17.5				

Toroids are tested for A₁ values at 10 kHz.

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