Toroids (5977001601)



Part Number:	5977001601	ı

77 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: 18 (g)

mm

mm tol

Dim

A	31.1	±0.75	1.225	_		
В	19.05	±0.50	0.75			
C	7.9	±0.30	0.312	_		
	ctive Cor	e Constant, re Volume nce Factor	l _e :	Effective Path Length,	Chart Legend A _c : Effective Cross- Sectional Area,	V_{c} :

Electrical Properties				
$A_L(nH)$	1665 ±25%			
Ae(cm ²)	0.47			
$\Sigma l/A(cm^{-1})$	16.2			
l _e (cm)	7.6			
$V_e(cm^3)$	3.53			

Toroids are tested for A₁ values at 10 kHz.

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