Toroids (5952020401)



Dont	Mumbar	5952020401
Part	Number:	7977070401

52 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.

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

Weight: 2.16 (g)

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A	12.6	±0.25	0.496			
В	6.99	±0.20	0.275	_		
C	4.9	-0.25	0.188	_	Chart I and I	
	ctive Co	re Constant, ore Volume ance Factor	· •	ve Path Length,	Chart Legend A _e : Effective Cross- Sectional Area,	V_e :

Electrical Properties				
$A_L(nH)$	141 ±25%			
Ae(cm ²)	0.13			
$\Sigma l/A(cm^{-1})$	22.31			
l _e (cm)	2.9			
$V_{e}(cm^{3})$	0.378			

Toroids are tested for A₁ values at 10 kHz.

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