Toroids (5943007601)



Part Number: 5943007601

43 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: 15 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	22.1	±0.40	0.87	_
В	13.7	±0.30	0.54	_
C	12.7	±0.45	0.5	

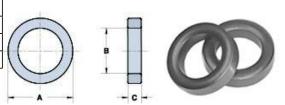


Chart Legend

 $\Sigma I/A$: Core Constant, 1 : Effective Path Length, A_c: Effective Cross- Sectional Area, V. :

Effective Core Volume

	Inductance Factor	(1)

Electrical Properties			
$A_L(nH)$	970 ±20%		
Ae(cm ²)	0.52		
$\Sigma l/A(cm^{-1})$	10.3		
$l_e(cm)$	5.4		
$V_e(cm^3)$	2.83		

Toroids are tested for A₁ values at 10 kHz.

Fair- Rite Products Corp.
One Commercial Row, Wallkill, New York 12589-0288

888-324-7748
845-895-2055
Fax: 845-895-2629
Ferrites@fair- rite.com
www.fair- rite.com