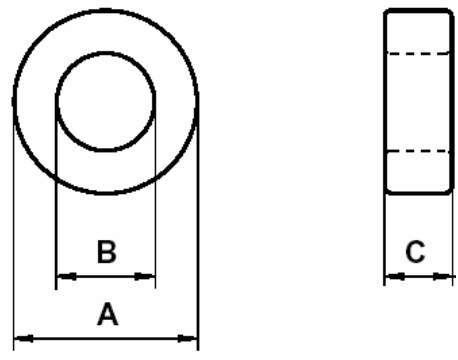




Specification for:  
**ZJ44920TC**

110 Delta Drive  
 Pittsburgh, PA 15238  
 Phone: 412/696-1333  
 Fax: 412/696-0333  
 Email:magnetics@spang.com

**DIMENSIONS**



(mm)	Uncoated Nominal:	Coated Min:	Coated Max:
O.D. (A)	49.1	48.48	50.22
I.D. (B)	31.8	30.65	32.45
Ht. (C)	15.7	15.76	16.64

Eff. Parameters		
A <sub>e</sub> mm <sup>2</sup>	l <sub>e</sub> mm	V <sub>e</sub> mm <sup>3</sup>
133.7	123.2	16466

**INDUCTANCE**

A <sub>L</sub> value (nH/T <sup>2</sup> )	Test conditions	
6065 ± 20%	10 kHz	0.5 mT (For N = 1, use 5.8 mA), 25°C
≥ 0.9 x A <sub>L</sub> @ 10 kHz	200 kHz	

**ELECTRICAL LOSSES**

tan δ / μ <sub>i</sub>	Test conditions
≤ 20·10 <sup>-6</sup>	100 kHz, 0.5 mT, 25°C

**COATING**

Epoxy rated for 200°C continuous operation.
Voltage breakdown rating 2000 V Min Wire-to-Wire.

**NOTE**

Spec. Modifications	Previous	Revised
2006.01.13	Bare Nom Ht = 15.9 Breakdown voltage > 1000 V LF: General J material A <sub>L</sub> value up to 200 kHz Large radius (4.3 mm) on top and bottom	Bare Nom Ht = 15.7 Breakdown voltage > 2000 V LF: Detail as indicated A <sub>L</sub> at 200 kHz ≥ 0.9 x A <sub>L</sub> at 10 kHz Conventional toroid shape, with flats on top and bottom