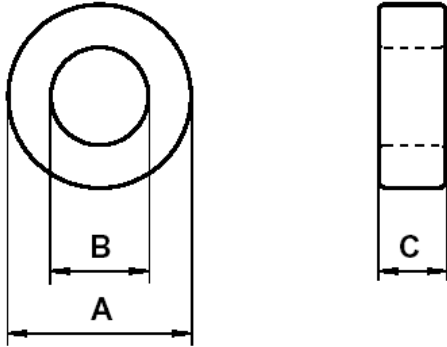




Specification for:  
**YC40402TC**

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)	4.83	4.55	5.11
I.D. (B)	2.29	2.00	2.58
Ht. (C)	2.54	2.21	2.87

Eff. Parameters		
A <sub>e</sub> mm <sup>2</sup>	I <sub>e</sub> mm	V <sub>e</sub> mm <sup>3</sup>
3.1	10.2	31.5

**INDUCTANCE**

A <sub>L</sub> value (nH/T <sup>2</sup> )	Test conditions	
341 ± 25%	10 kHz	0.5 mT (For N = 5, use 0.53 mA), 25°C

**ELECTRICAL LOSSES**

tan δ / μ <sub>i</sub> max	tan δ / μ <sub>i</sub> Typ	Test conditions	
≤ 50·10 <sup>-6</sup>	≤ 25 ·10 <sup>-6</sup>	300 kHz	0.5 mT, 25°C
≤ 200·10 <sup>-6</sup>	≤ 100·10 <sup>-6</sup>	1000 kHz	

**TEMPERATURE FACTOR**

α <sub>F</sub>	Test conditions
2.0·10 <sup>-6</sup> to -5.0·10 <sup>-6</sup> /°C	+20°C to +40°C
2.0·10 <sup>-6</sup> to -2.0·10 <sup>-6</sup> /°C	+40°C to +70°C

**COATING**

Parylene rated for 130°C continuous operation.
Voltage breakdown rating 1000V <sub>DC</sub> Min Wire-to-Wire.