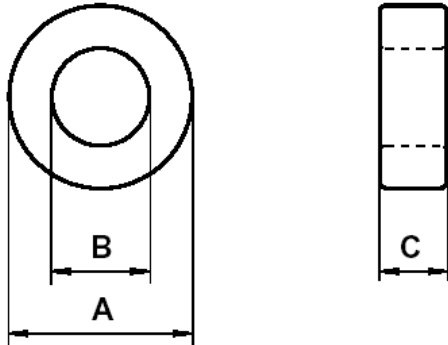




Specification for:  
**YR-41005-TC**

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)	9.53	9.2	9.86
I.D. (B)	4.75	4.42	5.08
Ht. (C)	4.78	4.58	4.98

Eff. Parameters		
A <sub>e</sub> mm <sup>2</sup>	l <sub>e</sub> mm	V <sub>e</sub> mm <sup>3</sup>
10.9	20.7	227

**INDUCTANCE**

AL value (nH/T <sup>2</sup> )	Test conditions
1510 ± 25%	10 kHz, 0.5 mT (For N = 5, use 0.4 mA), 25°C

**CORE LOSSES**

P <sub>L</sub> max	Production lot limit Max avg	Test conditions
25.0 mW (110 mW/cm <sup>3</sup> )	22.7 mW (100 mW/cm <sup>3</sup> )	100 kHz, 100 mT, 100°C
163 mW (715 mW/cm <sup>3</sup> )	148 mW (650 mW/cm <sup>3</sup> )	100 kHz, 200 mT, 100°C

**COATING**

Parylene rated for 130°C continuous operation.  
Voltage breakdown rating 1500 V<sub>DC</sub> Min Wire-to-Wire.

**NOTE**

Spec. Modifications	Previous	Revised
2006.06.20	Losses: General R material	Losses: Detail as indicated