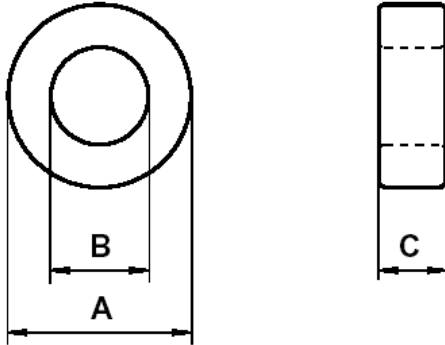




Specification for:  
**YJ41005TC**

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		
$A_e$ mm <sup>2</sup>	$l_e$ mm	$V_e$ mm <sup>3</sup>
10.9	20.7	227

**INDUCTANCE**

$A_L$ value (nH/T <sup>2</sup> )	Test conditions	
3308 ± 20%	10 kHz	0.5 mT (For N = 1, use 0.97 mA), 25°C
≥ 0.9 x $A_L$ @ 10 kHz	200 kHz	

**ELECTRICAL LOSSES**

$\tan \delta / \mu_i$	Test conditions
≤ 12·10 <sup>-6</sup>	100 kHz, 0.5 mT, 25°C

**COATING**

Parylene rated for 130°C continuous operation.
Voltage breakdown rating 1000 V Min Wire-to-Wire.

**NOTE**

Spec. Modifications	Previous	Revised
2005.06.09	LF: General J Material	LF: Detail as indicated
2005.09.26	$A_L$ value up to 200 kHz	$A_L$ at 200 kHz ≥ 0.9 x $A_L$ at 10 kHz