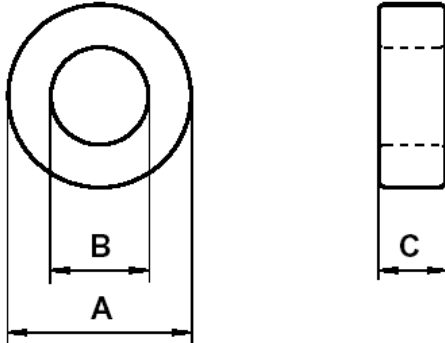




Specification for:  
**ZJ41809TC**

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)	18.40	18.09	19.21
I.D. (B)	9.75	8.99	10.01
Ht. (C)	10.30	10.20	10.90

Eff. Parameters		
$A_e$ mm <sup>2</sup>	$l_e$ mm	$V_e$ mm <sup>3</sup>
43.1	41.4	1783

**INDUCTANCE**

$A_L$ value (nH/T <sup>2</sup> )	Test conditions	
6115 ± 20%	10 kHz	0.5 mT (For N = 1, use 2.08 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**

Epoxy rated for 200°C continuous operation.
Voltage breakdown rating 1500 V <sub>DC</sub> Min Wire-to-Wire.

**NOTE**

Spec. Modifications	Previous	Revised
2007.09.07	Breakdown voltage > 1,000 V LF: General J Material $A_L$ value up to 200 kHz	Breakdown voltage > 1,500 V <sub>DC</sub> LF: Detail as indicated $A_L$ at 200 kHz ≥ 0.9 x $A_L$ at 10 kHz