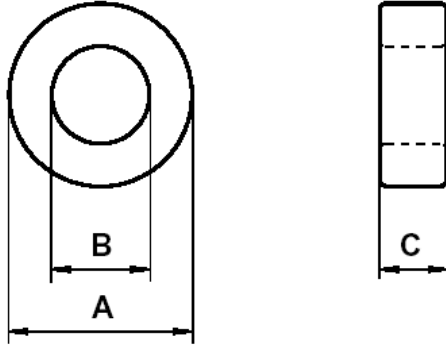




Specification for:  
**VP42207TC**

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)	22.1	22	23.4
I.D. (B)	13.7	12.5	13.7
Ht. (C)	7.9	7.9	8.9

Eff. Parameters		
$A_e$ mm <sup>2</sup>	$l_e$ mm	$V_e$ mm <sup>3</sup>
32.5	54.2	1763

**INDUCTANCE**

AL value (nH/T <sup>2</sup> )	Test conditions
1875 ± 25%	10 kHz, 0.5 mT (For N = 5, use 1 mA), 25°C

**CORE LOSSES**

$P_L$ max	Production lot limit Max avg	Test conditions
217 mW (123 mW/cm <sup>3</sup> )	197 mW (112 mW/cm <sup>3</sup> )	100 kHz, 100 mT, 100°C
-	-	-

**COATING**

Nylon11 rated for 155°C continuous operation.  
Voltage breakdown rating 1500 V Min Wire-to-Wire.

**NOTE**

Spec. Modifications	Previous	Revised
2005.06.09	Bare Nom Ht = 7.92 OD Max = 22.86 ID Min = 12.95 Ht Max = 8.56 Losses: General P material Breakdown voltage > 1,000 V P/N prefix for coating = Z (nylon or epoxy)	Bare Nom Ht = 7.90 OD Max = 23.4 ID Min = 12.5 Ht Max = 8.9 Losses: Detail as indicated Breakdown voltage > 1,500 V P/N prefix for coating = V (nylon specified)