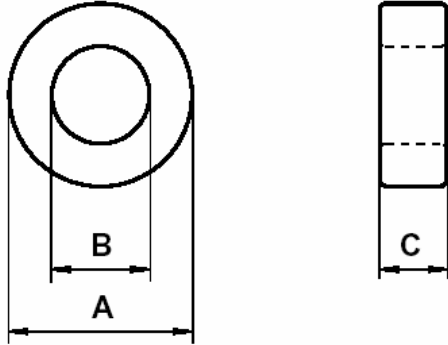




Specification for:  
**VR42206TC**

110 Delta Drive  
Pittsburgh, PA 15238  
Phone: 412/696-1333  
Fax: 412/696-0333  
Email:magnetics@spang.com

**DIMENSIONS**



(mm)	Uncoated Nominal:	Min:	Max:
O.D. (A)	22.1	22	23.4
I.D. (B)	13.7	12.5	13.7
Ht. (C)	6.35	6.45	7.25

Eff. Parameters		
$A_e$ mm <sup>2</sup>	$l_e$ mm	$V_e$ mm <sup>3</sup>
26.2	54.1	1417

**INDUCTANCE**

AL value (nH/T <sup>2</sup> )	Test conditions
1380 ± 25% nH/T <sup>2</sup>	10 kHz, 0.5 mT (For N = 5, use 0.22 mA), 25°C

**CORE LOSSES**

$P_L$ max	Production lot limit Max avg	Test conditions
155.87 mW (110 mW/cm <sup>3</sup> )	141.7 mW (100 mW/cm <sup>3</sup> )	100 kHz, 100 mT, 100°C
1013.15 mW (715 mW/cm <sup>3</sup> )	921.05 mW (650 mW/cm <sup>3</sup> )	100 kHz, 200 mT, 100°C

**COATING**

Nylon 11 rated for 155°C continuous operation.
Voltage breakdown rating 1500 V min Wire-to-Wire.

**NOTE**

Spec. Modifications	Previous	Revised
2006.01.10	OD Max = 22.86 ID Min = 12.95 Ht Max = 6.91 Losses: General R material Breakdown voltage > 1,000 V P/N prefix for coating = Z (nylon or epoxy)	OD Max = 23.4 ID Min = 12.5 Ht Max = 7.25 Losses : Detail as indicated Breakdown voltage > 1,500 V P/N prefix for coating = V (nylon specified)