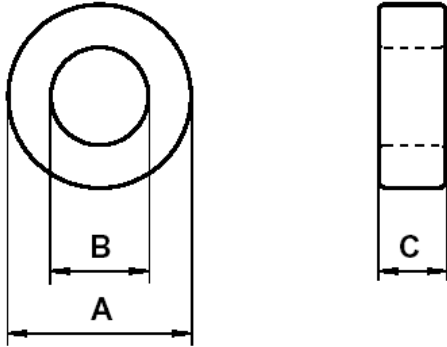




Specification for:
YC40503TC

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)	3.94	3.66	4.22
I.D. (B)	2.24	1.95	2.53
Ht. (C)	2.54	2.21	2.87

Eff. Parameters		
A_e mm ²	l_e mm	V_e mm ³
2.1	9.2	19.4

INDUCTANCE

A_L value (nH/T ²)	Test conditions	
258 ± 25%	10 kHz	0.5 mT (For N = 5, use 0.48 mA), 25°C

ELECTRICAL LOSSES

$\tan \delta / \mu_i$ max	$\tan \delta / \mu_i$ Typ	Test conditions	
$\leq 50 \cdot 10^{-6}$	$\leq 25 \cdot 10^{-6}$	300 kHz	0.5 mT, 25°C
$\leq 200 \cdot 10^{-6}$	$\leq 100 \cdot 10^{-6}$	1000 kHz	

TEMPERATURE FACTOR

α_F	Test conditions
$2.0 \cdot 10^{-6}$ to $-5.0 \cdot 10^{-6}$ /°C	+20°C to +40°C
$2.0 \cdot 10^{-6}$ to $-2.0 \cdot 10^{-6}$ /°C	+40°C to +70°C

COATING

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