

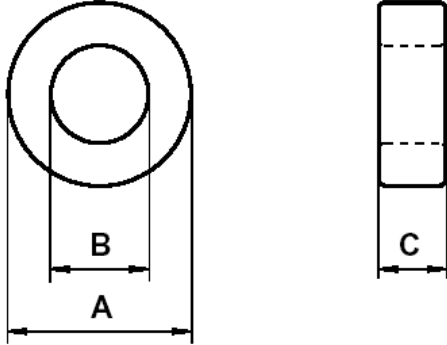


Specification for:

YC40502TC

110 Delta Drive
 Pittsburgh, PA 15238
 Phone: 412/696-1333
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 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)	1.27	1.01	1.53

Eff. Parameters		
A _e mm ²	I _e mm	V _e mm ³
1.05	9.2	9.7

INDUCTANCE

A _L value (nH/T ²)	Test conditions	
129 ± 25%	10 kHz	0.5 mT (For N = 5, use 0.48 mA), 25°C

ELECTRICAL LOSSES

tan δ / μ _i max	tan δ / μ _i Typ	Test conditions	
≤ 50 · 10 ⁻⁶	≤ 25 · 10 ⁻⁶	300 kHz	0.5 mT, 25°C
≤ 200 · 10 ⁻⁶	≤ 100 · 10 ⁻⁶	1000 kHz	

TEMPERATURE FACTOR

α _F	Test conditions
2.0 · 10 ⁻⁶ to -5.0 · 10 ⁻⁶ /°C	+20°C to +40°C
2.0 · 10 ⁻⁶ to -2.0 · 10 ⁻⁶ /°C	+40°C to +70°C

COATING

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