

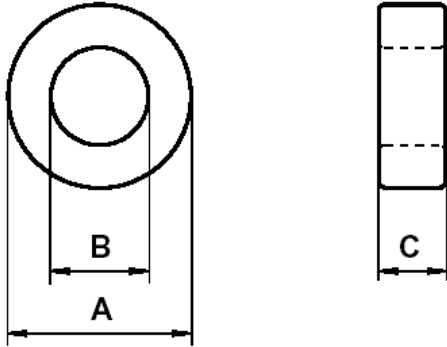


Specification for:

# ZC41005TC

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 Pittsburgh, PA 15238  
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## DIMENSIONS



(mm)	Uncoated Nominal:	Coated Min:	Coated Max:
O.D. (A)	9.53	9.38	10.17
I.D. (B)	4.75	4.2	4.8
Ht. (C)	4.78	4.73	5.33

Eff. Parameters		
$A_e$ mm <sup>2</sup>	$l_e$ mm	$V_e$ mm <sup>3</sup>
10.9	20.7	227

## INDUCTANCE

$A_L$ value (nH/T <sup>2</sup> )	Test conditions	
599 ± 25%	10 kHz	0.5 mT (For N = 5, use 1.08 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

$\alpha_F$	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

Epoxy rated for 200°C continuous operation.

Voltage breakdown rating 1000 V<sub>DC</sub> Min Wire-to-Wire.