

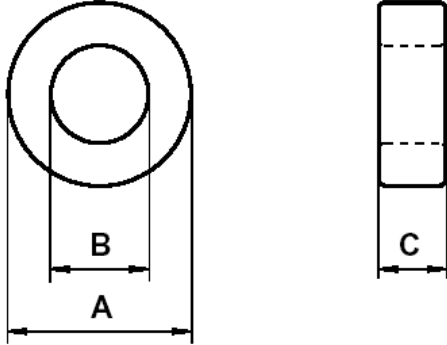


Specification for:

VC41306TC

110 Delta Drive
 Pittsburgh, PA 15238
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DIMENSIONS



(mm)	Uncoated Nominal:	Coated Min:	Coated Max:
O.D. (A)	12.7	12.85	13.55
I.D. (B)	8.14	7.09	7.79
Ht. (C)	6.35	6.4	7.1

Eff. Parameters		
A_e mm ²	l_e mm	V_e mm ³
14.2	31.7	451.2

INDUCTANCE

A_L value (nH/T ²)	Test conditions	
508 ± 25%	10 kHz	0.5 mT (For N = 5, use 1.65 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

Nylon 11 rated for 155°C continuous operation.
Voltage breakdown rating 1500 V _{DC} Min Wire-to-Wire.