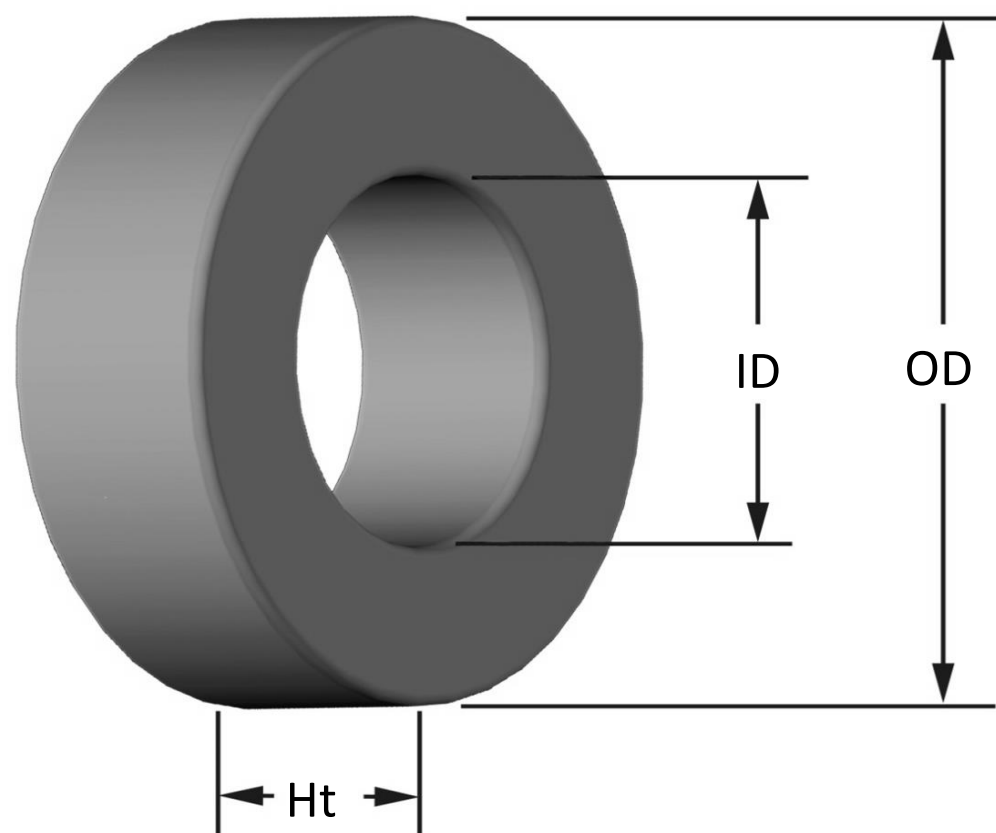




Part Number:

T106-26

Revision 20160713 - Generated 2016-Aug-15



OD	(nom. - bare core)	26.92 mm	1.060 in			
	(max. - after coating)	27.43 mm	1.080 in			
ID	(nom. - bare core)	14.48 mm	0.570 in			
	(min. - after coating)	13.97 mm	0.550 in			
Ht	(nom. - bare core)	11.10 mm	0.437 in			
	(max. - after coating)	11.73 mm	0.462 in			
Mass	(approximate)	30 grams				
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	0.659 cm ²				
	L _e - Eff. Mag. Path Length	6.49 cm				
	V _e - Eff. Core Volume	4.28 cm ³				
	WA - Min. Eff. Window Area	1.53 cm ²				
	sa - Surface Area	28.1 cm ²				
	mlt - mean length per turn	4.39 cm				
Inductance	μ _i (reference)	75				
	A _L value (nominal)	93 nH/N ²				
	Test Winding	N=100, #28 AWG				
	Frequency	10 kHz				
	Voltage on Agilent 4284A	0.29 V				
	A _L tolerance	±10%				
Core Loss	$\text{Core Loss(mW/cm}^3\text{)}= \frac{f}{\frac{a}{Bpk^3} + \frac{b}{Bpk^{2.3}} + \frac{c}{Bpk^{1.65}}} + d \cdot Bpk^2 \cdot f^2$					
	where B_{pk} expressed in gauss, f expressed in hertz, and: $a=1.00E+09$, $b=1.10E+08$, $c=1.90E+06$, $d=1.90E-13$					
	Bpk	140 G				
	frequency	100 kHz				
	Core Loss (nominal)	83 mW/cm ³				
	Core Loss (maximum)	95 mW/cm ³				
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$					
	where H expressed in oersteds, and: $a=1.00E-02$, $b=9.70E-06$, $c=1.72$, $d=0.00$					
	H _{DC}	50 Oe				
	Percent Initial Perm(nom.)	55.2%				
	Percent Initial Perm(min.)	47.4%				
Coating/Pkg	Coating Type:	Yellow/White Epoxy Paint				
	Voltage Breakdown (min.)	500 Vrms, 60Hz				
	Limit	0.1 mA, 5 s				
	Package Quantity	700 Pcs/Box				
Winding Table	Wire Size	AWG	10	12	14	
		mm	2.500	2.000	1.600	
	Single Layer	Turns	12	15	20	
		Rdc(Ω)	1.7 m	3.4 m	7.3 m	
	Full Winding	Turns	12	19	30	
		Rdc(Ω)	1.7 m	4.3 m	10.9 m	

