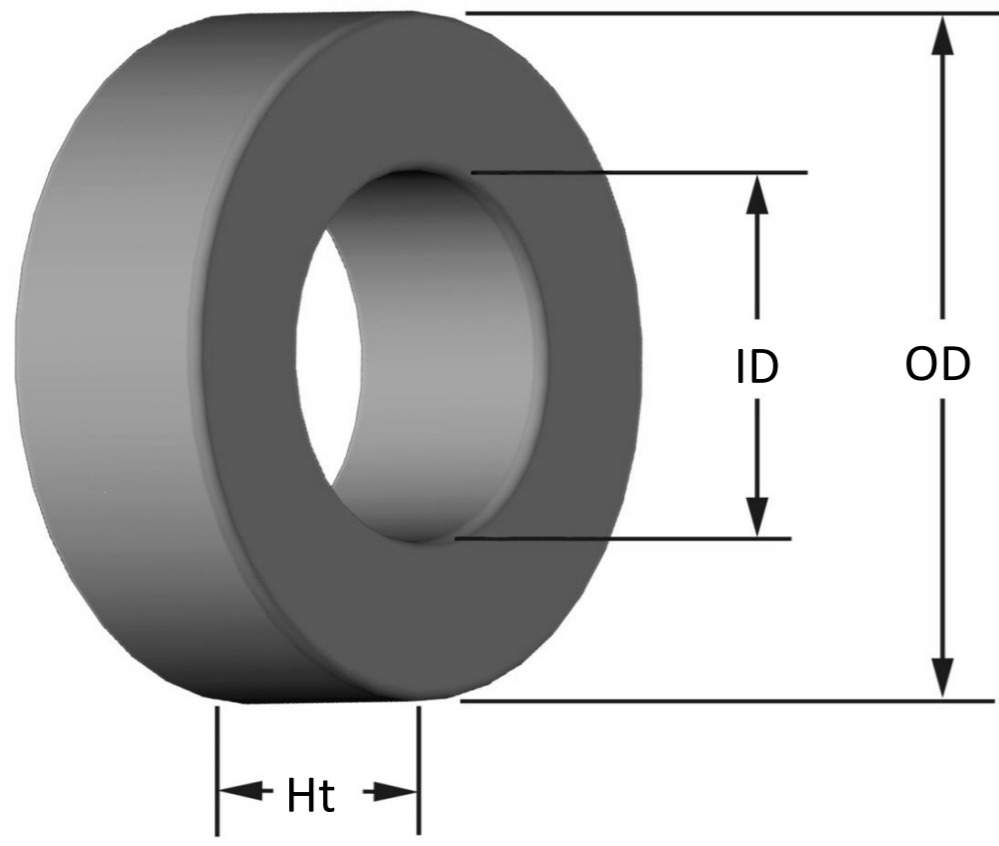




Part Number: **T16-26**
Revision 20160713 - Generated 2016-Aug-15



OD	(nom. - bare core) (max. - after coating)	4.06 mm 4.32 mm	0.160 in 0.170 in	
ID	(nom. - bare core) (min. - after coating)	1.98 mm 1.73 mm	0.078 in 0.068 in	
Ht	(nom. - bare core) (max. - after coating)	1.52 mm 1.78 mm	0.060 in 0.070 in	
Mass	(approximate)	0.10 grams		
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	0.0150 cm ²		
	L _e - Eff. Mag. Path Length	0.930 cm		
	V _e - Eff. Core Volume	0.0141 cm ³		
	WA - Min. Eff. Window Area	0.0234 cm ²		
	sa - Surface Area	0.658 cm ²		
	mlt - mean length per turn	0.701 cm		
Inductance	μ _i (reference)	75		
	A _L value (nominal)	14.5 nH/N ²		
	Test Winding	N=40, #36 AWG		
	Frequency	10 kHz		
	Voltage on Agilent 4284A	0.003 V		
Core Loss	A _L tolerance	±10%		
	Core Loss(mW/cm ³)=	$\frac{f}{\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}}} + d \cdot B_{pk}^2 \cdot f^2$		
	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		
	B _{pk}	140 G		
	frequency	100 kHz		
DC Saturation	Core Loss (nominal)	83 mW/cm ³		
	Core Loss (maximum)	95 mW/cm ³		
	%μ _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		
Coating/Pkg	H _{DC}	50 Oe		
	Percent Initial Perm.(nom.)	55.2%		
	Percent Initial Perm.(min.)	47.4%		
	Coating Type:	Parylene C		
Winding Table	Voltage Breakdown (min.)	500 Vrms, 60Hz		
	Limit	0.1 mA, 5 s		
	Package Quantity	50,000 Pcs/Box		
	Wire Size	AWG	28	30
Single Layer	mm	0.315	0.250	
	Turns	10	13	
Full Winding	Rdc(Ω)	14.9 m	30.9 m	
	Turns	10	15	
Winding Table		32	34	
		36	38	
		40	42	
		44	#N/A	
		#N/A	#N/A	
		Turns	17	22
		Rdc(Ω)	64.2 m	132.1 m
		Turns	23	36
		Rdc(Ω)	86.8 m	216.1 m
		Turns	36	56
		Rdc(Ω)	1.1	2.2
		Turns	45	57
	Rdc(Ω)	4.4	19.5	
	Turns	72	319	
	Rdc(Ω)	#N/A	#N/A	

