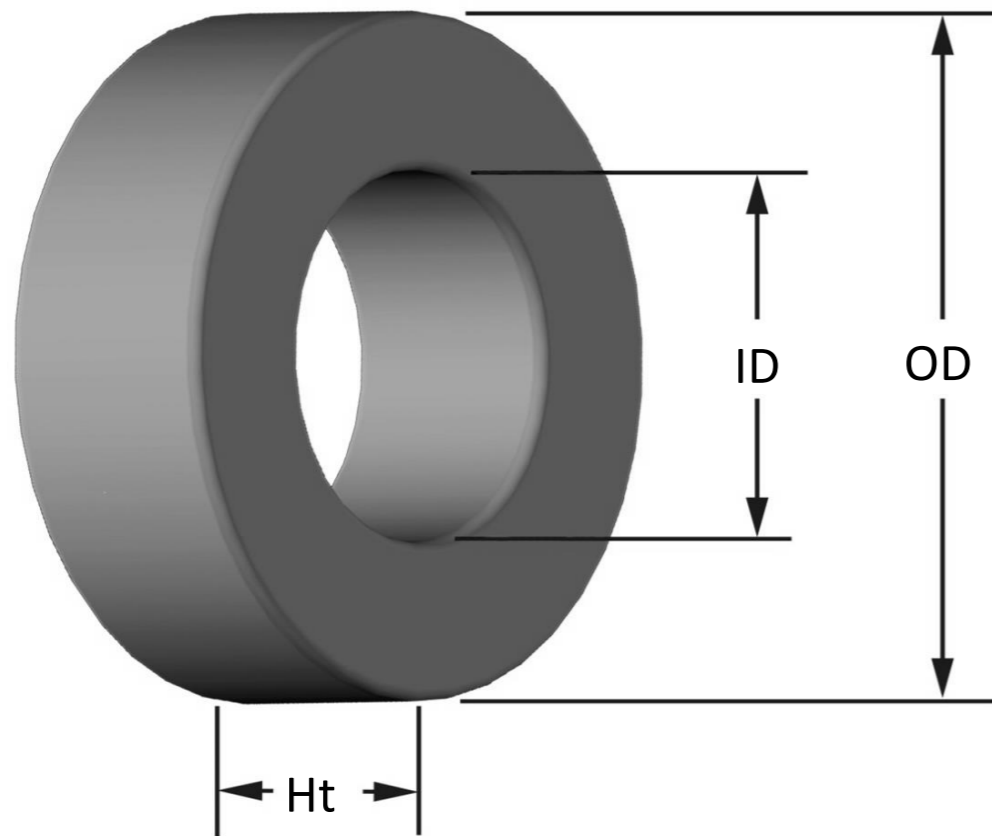




Part Number: **T5-10**
Revision 20160713 - Generated 2016-Aug-15



OD	(nom. - bare core) (max. - after coating)	1.27 mm 1.40 mm	0.050 in 0.055 in
ID	(nom. - bare core) (min. - after coating)	0.64 mm 0.51 mm	0.025 in 0.020 in
Ht	(nom. - bare core) (max. - after coating)	0.64 mm 0.76 mm	0.025 in 0.030 in
Mass	(approximate)	0.00 grams	
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	0.00190 cm ²	
	L _e - Eff. Mag. Path Length	0.300 cm	
	V _e - Eff. Core Volume	0.00060	
	W _A - Min. Eff. Window Area	0.00200 cm ²	
	s _a - Surface Area	0.0768 cm ²	
	mlt - mean length per turn	0.267 cm	
Inductance	μ _i (reference)	6	
	A _L value (nominal)	0.7 nH/N ²	
	Test Winding	N=0, #0 AWG	
	Frequency	1 MHz	
	Voltage on Agilent 4284A	#DIV/0!	
	A _L tolerance	±5%	
Core Loss & Q	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=4.00E+09, b=3.00E+08, c=2.70E+06, d=8.00E-16	
	Q test winding	#N/A	
	Q frequency	#N/A	
DC Saturation	%μ _i =	$\frac{1}{a + b \cdot H^c} + d$	
	where H expressed in oersteds, and:	a=1.00E-02, b=5.54E-09, c=1.69, d=0.00	
	H _{DC}	200 Oe	
	Percent Initial Perm.(nom.)	99.6%	
Coating/Pkg	Coating Type:	Parylene C	
	Voltage Breakdown (min.)	500 Vrms, 60Hz	
	Limit	0.1 mA, 5 s	
	Package Quantity	250,000 Pcs/Box	

Winding Table	Wire Size	AWG	40	42	44	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		mm	0.080	0.063	0.050	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	Single Layer	Turns	11	15	19	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
		Rdc(Ω)	101.0 m	219.1 m	441.4 m	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Full Winding	Turns	12	18	28	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
	Rdc(Ω)	110.2 m	263.0 m	650.5 m	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	

