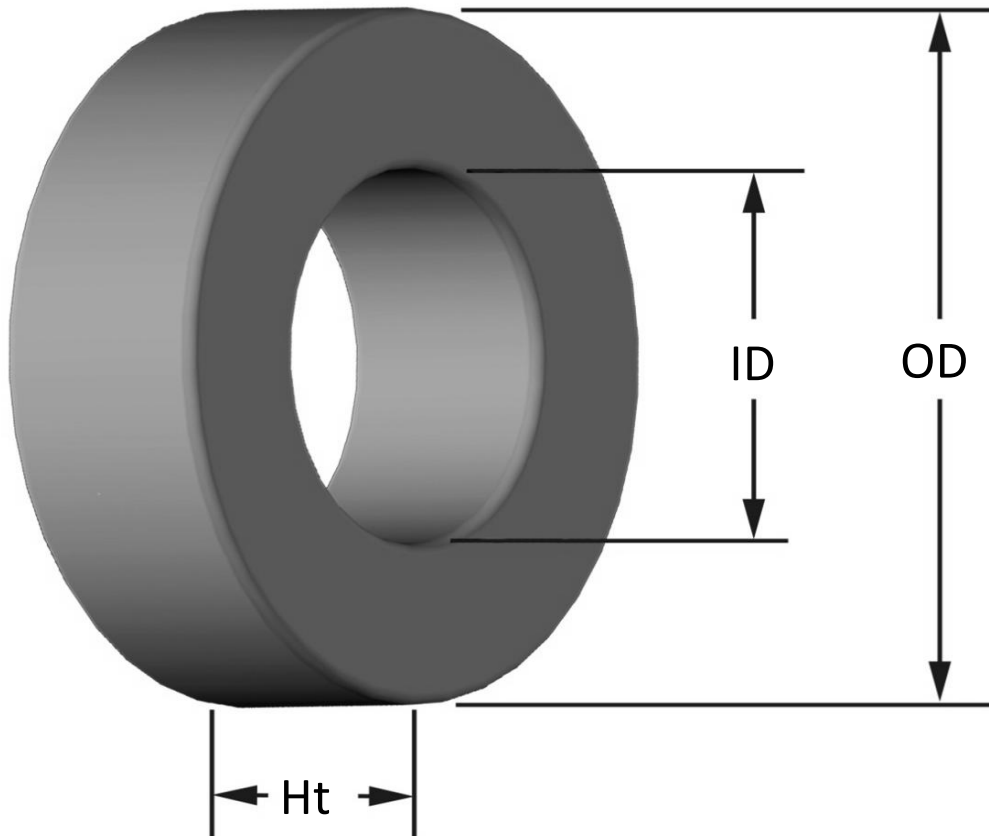




Part Number: **T16-0D**

Revision 20190524 - Generated 2019-May-30



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)	3.05 mm 3.30 mm	0.120 in 0.130 in
Mass	(approximate)	0.06 grams	
Magnetic Dimensions	A_e - Eff. Mag. Cross Section L_e - Eff. Mag. Path Length V_e - Eff. Core Volume WA - Min. Eff. Window Area sa - Surface Area mlt - mean length per turn	0.0300 cm ² 0.930 cm 0.0282 cm ³ 0.0234 cm ² 0.885 cm ² 1.01 cm	
Inductance	μ_i (reference) A_L value (nominal) Test Winding Frequency Voltage on Agilent 4284A A_L tolerance	1 0.3 nH/N ² N/A N/A N/A Ref Only	
Core Loss	Core Loss(mW/cm ³)= $\frac{f}{\frac{a}{Bpk^3} + \frac{b}{Bpk^{2.3}} + \frac{c}{Bpk^{1.65}}} + d \cdot Bpk^2 \cdot f^2$ where B_{pk} expressed in gauss, f expressed in hertz, and: $a=1.00E+99$, $b=1.00E+99$, $c=1.00E+99$, $d=0.00E+00$	Bpk frequency Core Loss (nominal) Core Loss (maximum)	140 G 100 kHz 0 mW/cm ³ 0 mW/cm ³
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$ where H expressed in oersteds, and: $a=1.00E-02$, $b=0.00E+00$, $c=0.00$, $d=0.00$	H_{DC} Percent Initial Perm(nom.) Percent Initial Perm(min.)	200 Oe 100.0% 100.0%
Coating/Pkg	Coating Type: Voltage Breakdown (min.) Limit Package Quantity	Parylene C 500 Vrms, 60Hz 3 mA, 5 s 100,000 Pcs/Box	

Winding Table	Wire Size	AWG	28	30	32	34	36	38	40	42	44	#N/A	#N/A
		mm	0.315	0.250	0.200	0.160	0.125	0.100	0.080	0.063	0.050	#N/A	#N/A
	Single Layer	Turns	10	13	17	22	28	36	45	57	72	#N/A	#N/A
		Rdc(Ω)	21.4 m	44.3 m	92.1 m	189.5 m	383.5 m	784.2 m	1.6	3.1	6.3	#N/A	#N/A
Full Winding	Turns	10	15	23	36	56	86	133	206	319	#N/A	#N/A	
	Rdc(Ω)	21.4 m	51.1 m	124.5 m	310.0 m	767.0 m	1.9	4.6	11.3	28.0	#N/A	#N/A	

