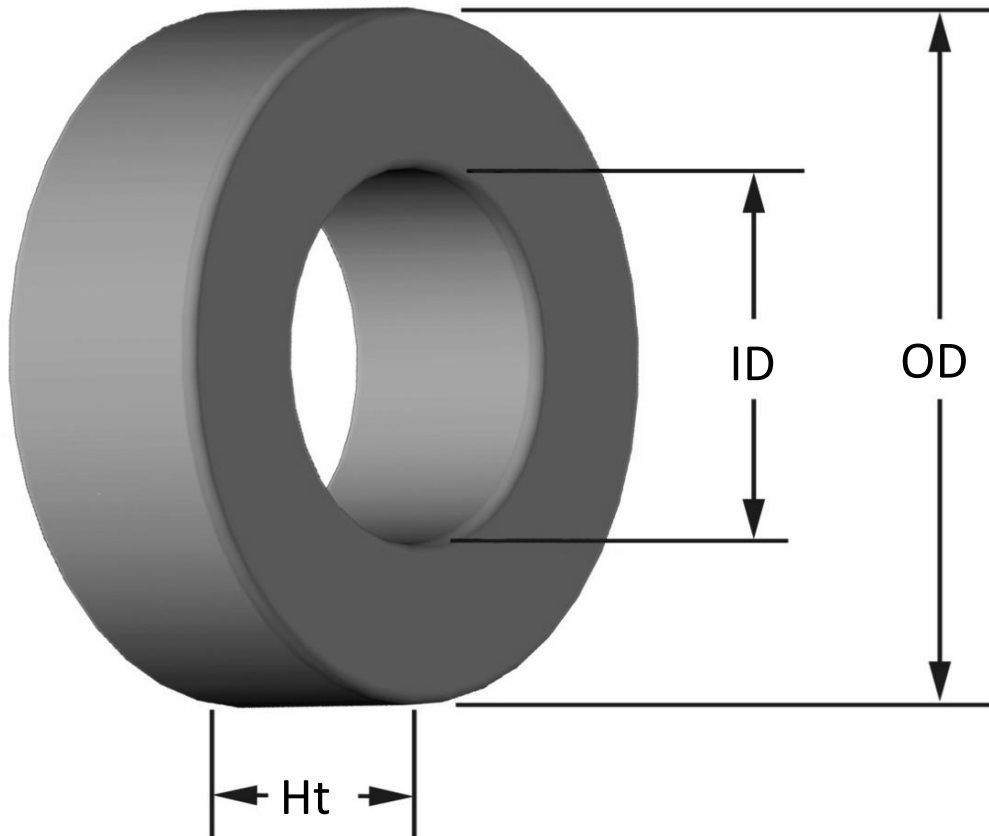




Part Number: T225-26B

Revision 20190524 - Generated 2019-May-30



OD	(nom. - bare core) (max. - after coating)	57.15 mm 57.79 mm	2.250 in 2.275 in									
ID	(nom. - bare core) (min. - after coating)	35.69 mm 35.05 mm	1.405 in 1.380 in									
Ht	(nom. - bare core) (max. - after coating)	25.40 mm 26.16 mm	1.000 in 1.030 in									
Mass	(approximate)	260 grams										
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	2.59 cm ²										
	L _e - Eff. Mag. Path Length	14.6 cm										
	V _e - Eff. Core Volume	37.8 cm ³										
	WA - Min. Eff. Window Area	9.65 cm ²										
	sa - Surface Area	132 cm ²										
	mlt - mean length per turn	9.26 cm										
Inductance	μ _i (reference)	75										
	A _L value (nominal)	160 nH/N ²										
	Test Winding	N=100, #22 AWG										
	Frequency	10 kHz										
	Voltage on Agilent 4284A	1.1 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:	Yellow/White Epoxy Paint										
Winding Table	Voltage Breakdown (min.)	500 Vrms, 60Hz										
	Limit	3 mA, 5 s										
	Package Quantity	60 Pcs/Box										
	Wire Size	AWG	8	10	12	14	16	18	20	22	24	26
Single Layer	mm	3.150	2.500	2.000	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315
	Turns	27	34	43	54	68	86	107	134	168	209	261
Full Winding	Rdc(Ω)	5.1 m	10.3 m	20.7 m	41.4 m	82.8 m	166.6 m	329.6 m	656.5 m	1.3	2.6	5.1
	Turns	51	78	121	187	290	449	694	1,075	1,663	2,574	3,985
	Rdc(Ω)	9.7 m	23.6 m	58.3 m	143.2 m	353.2 m	869.6 m	2.1	5.3	13.0	31.9	78.5

