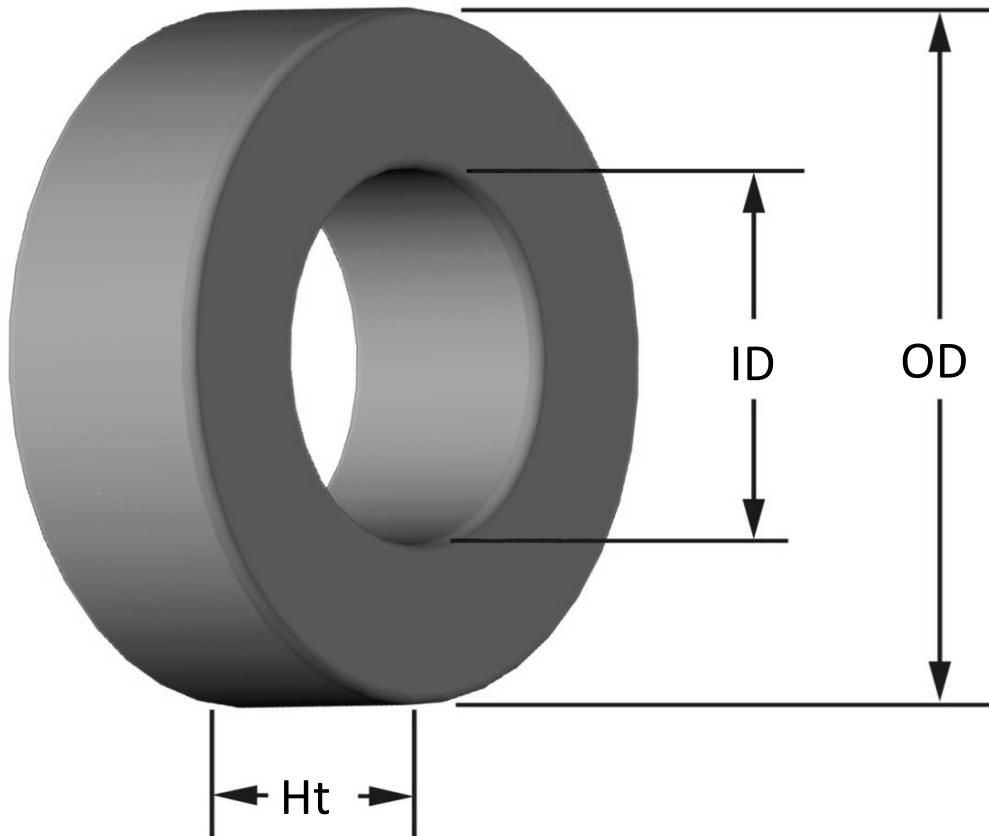




Part Number:

T200-35

Revision 20190524 - Generated 2019-May-30



OD	(nom. - bare core)	50.80 mm	2.000 in
	(max. - after coating)	51.44 mm	2.025 in
ID	(nom. - bare core)	31.75 mm	1.250 in
	(min. - after coating)	31.12 mm	1.225 in
Ht	(nom. - bare core)	13.97 mm	0.550 in
	(max. - after coating)	14.73 mm	0.580 in
Mass	(approximate)	100 grams	
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	1.27 cm ²	
	L _e - Eff. Mag. Path Length	13.0 cm	
	V _e - Eff. Core Volume	16.4 cm ³	
	WA - Min. Eff. Window Area	7.60 cm ²	
	sa - Surface Area	88.4 cm ²	
	mlt - mean length per turn	6.53 cm	
Inductance	μ _i (reference)	33	
	A _L value (nominal)	37 nH/N ²	
	Test Winding	N=100, #22 AWG	
	Frequency	10 kHz	
	Voltage on Agilent 4284A	0.56 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: $a=3.70E+08$, $b=2.20E+07$, $c=2.20E+06$, $d=1.10E-13$		
	Bpk	140 G	
	frequency	100 kHz	
	Core Loss (nominal)	119 mW/cm ³	
	Core Loss (maximum)	137 mW/cm ³	
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$		
	where H expressed in oersteds, and: $a=1.00E-02$, $b=6.22E-06$, $c=1.38$, $d=0.00$		
	H _{DC}	100 Oe	
	Percent Initial Perm(nom.)	73.3%	
	Percent Initial Perm(min.)	68.0%	
Coating/Pkg	Coating Type:	Yellow/Gray Epoxy Paint	
	Voltage Breakdown (min.)	500 Vrms, 60Hz	
	Limit	3 mA, 5 s	
	Package Quantity	120 Pcs/Box	

Winding Table	Wire Size	AWG	8	10	12	14	16	18	20	22	24	26	28
		mm	3.150	2.500	2.000	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315
	Single Layer	Turns	24	30	38	48	60	76	95	119	149	185	231
		Rdc(Ω)	3.2 m	6.4 m	12.9 m	25.9 m	51.6 m	103.9 m	206.5 m	411.4 m	819.3 m	1.6	3.2
Full Winding		Turns	40	62	95	148	228	353	547	847	1,311	2,029	3,140
		Rdc(Ω)	5.4 m	13.2 m	32.3 m	80.0 m	196.0 m	482.5 m	1.2	2.9	7.2	17.7	43.7

