



Part Number: **T200-26**

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OD	(nom. - bare core) (max. - after coating)	50.80 mm 51.44 mm	2.000 in 2.025 in
ID	(nom. - bare core) (min. - after coating)	31.75 mm 31.12 mm	1.250 in 1.225 in
Ht	(nom. - bare core) (max. - after coating)	13.97 mm 14.73 mm	0.550 in 0.580 in
Mass	(approximate)	110 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	1.27 cm ² 13.0 cm 16.4 cm ³ 7.60 cm ² 88.4 cm ² 6.53 cm	
Inductance	μ_i (reference) A_L value (nominal) Test Winding Frequency Voltage on Agilent 4284A A_L tolerance	75 92 nH/N ² N=100, #22 AWG 10 kHz 0.56 V ±10%	
Core Loss	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: $a=1.00E+09$, $b=1.10E+08$, $c=1.90E+06$, $d=1.90E-13$	Bpk frequency Core Loss (nominal) Core Loss (maximum)	140 G 100 kHz 83 mW/cm ³ 95 mW/cm ³
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$ where H expressed in oersteds, and: $a=1.00E-02$, $b=9.70E-06$, $c=1.72$, $d=0.00$	H_{DC} Percent Initial Perm(nom.) Percent Initial Perm(min.)	50 Oe 55.2% 47.4%
Coating/Pkg	Coating Type: Voltage Breakdown (min.) Limit Package Quantity	Yellow/White Epoxy Paint 500 Vrms, 60Hz 3 mA, 5 s 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
	Full Winding	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
		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

