



Part Number: **T184-26**

Revision 20190524 - Generated 2019-May-30



OD	(nom. - bare core) (max. - after coating)	46.74 mm 47.37 mm	1.840 in 1.865 in
ID	(nom. - bare core) (min. - after coating)	24.13 mm 23.50 mm	0.950 in 0.925 in
Ht	(nom. - bare core) (max. - after coating)	18.03 mm 18.80 mm	0.710 in 0.740 in
Mass	(approximate)	150 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	1.88 cm ² 11.2 cm 21.0 cm ³ 4.34 cm ² 80.9 cm ² 7.32 cm	
Inductance	μ _i (reference) A _L value (nominal) Test Winding Frequency Voltage on Agilent 4284A A _L tolerance	75 169 nH/N ² N=100, #24 AWG 10 kHz 0.83 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	%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 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 140 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	17	22	28	36	45	57	71	89	111	139	174
		Rdc(Ω)	2.6 m	5.3 m	10.7 m	21.8 m	43.3 m	87.3 m	173.0 m	344.8 m	683.9 m	1.4	2.7
Full Winding	Turns	23	35	54	84	130	202	312	483	747	1,157	1,790	
	Rdc(Ω)	3.5 m	8.4 m	20.6 m	50.9 m	125.2 m	309.4 m	760.0 m	1.9	4.6	11.3	27.9	

