



Part Number: **T250-26**

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OD	(nom. - bare core) (max. - after coating)	63.50 mm 64.26 mm	2.500 in 2.530 in
ID	(nom. - bare core) (min. - after coating)	31.75 mm 30.99 mm	1.250 in 1.220 in
Ht	(nom. - bare core) (max. - after coating)	25.40 mm 26.16 mm	1.000 in 1.030 in
Mass	(approximate)	400 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	3.84 cm ² 15.0 cm 57.4 cm ³ 7.54 cm ² 150 cm ² 10.1 cm	
Inductance	μ _i (reference) A _L value (nominal) Test Winding Frequency Voltage on Agilent 4284A A _L tolerance	75 242 nH/N ² N=100, #24 AWG 10 kHz 1.7 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 45 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	23	30	38	48	60	75	95	118	148	185	230
		Rdc(Ω)	4.8 m	9.9 m	20.0 m	40.1 m	79.8 m	158.6 m	319.5 m	631.2 m	1.3	2.5	4.9
Full Winding	Turns	39	61	95	146	227	351	543	840	1,300	2,012	3,114	
	Rdc(Ω)	8.1 m	20.2 m	49.9 m	122.1 m	301.9 m	742.3 m	1.8	4.5	11.1	27.2	67.0	

