



Part Number: T300-26D

Revision 20190524 - Generated 2019-May-30



OD	(nom. - bare core) (max. - after coating)	77.22 mm 77.98 mm	3.040 in 3.070 in
ID	(nom. - bare core) (min. - after coating)	49.02 mm 48.26 mm	1.930 in 1.900 in
Ht	(nom. - bare core) (max. - after coating)	25.40 mm 26.16 mm	1.000 in 1.030 in
Mass	(approximate)	470 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	3.38 cm ² 19.8 cm 67.0 cm ³ 18.3 cm ² 215 cm ² 10.6 cm	
Inductance	μ_i (reference) A_L value (nominal) Test Winding Frequency Voltage on Agilent 4284A A_L tolerance	75 160 nH/N ² N=100, #22 AWG 10 kHz 1.5 V ±10%	
Core Loss	Core Loss(mW/cm ³)= $\frac{f}{\frac{a}{Bpk^3} + \frac{b}{Bpk^{2.3}} + \frac{c}{Bpk^{1.65}}} + d \cdot Bpk^2 \cdot f^2$ where B_{pk} expressed in gauss, f expressed in hertz, and: $a=1.00E+09$, $b=1.10E+08$, $c=1.90E+06$, $d=1.90E-13$	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 30 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	38	48	60	76	95	119	149	186	232	289	360
	Full Winding	Rdc(Ω)	8.3 m	16.7 m	33.1 m	66.7 m	132.7 m	264.3 m	526.3 m	1.0	2.1	4.1	8.1
		Turns	96	148	229	355	549	850	1,316	2,037	3,153	4,880	7,553
		Rdc(Ω)	21.0 m	51.4 m	126.4 m	311.7 m	766.7 m	1.9	4.6	11.4	28.2	69.3	170.7

