



Part Number: **T22-0A**

Revision 20190524 - Generated 2019-May-30



OD	(nom. - bare core) (max. - after coating)	5.66 mm 6.05 mm	0.223 in 0.238 in
ID	(nom. - bare core) (min. - after coating)	2.46 mm 2.08 mm	0.097 in 0.082 in
Ht	(nom. - bare core) (max. - after coating)	2.44 mm 2.95 mm	0.096 in 0.116 in
Mass	(approximate)	0.10 grams	
Magnetic Dimensions	A_e - Eff. Mag. Cross Section L_e - Eff. Mag. Path Length V_e - Eff. Core Volume W_A - Min. Eff. Window Area s_a - Surface Area mlt - mean length per turn	0.0370 cm ² 1.28 cm 0.0470 cm ³ 0.0341 cm ² 1.35 cm ² 1.09 cm	
Inductance	μ_i (reference) A_L value (nominal) Test Winding Frequency Voltage on Agilent 4284A A_L tolerance	1 0.51 nH/N ² N/A N/A N/A Ref Only	
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: $a=1.00E+99$, $b=1.00E+99$, $c=1.00E+99$, $d=0.00E+00$ Bpk frequency Core Loss (nominal) Core Loss (maximum)	 140 G 100 kHz 0 mW/cm ³ 0 mW/cm ³	
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$ where H expressed in oersteds, and: $a=1.00E-02$, $b=0.00E+00$, $c=0.00$, $d=0.00$ H_{DC} Percent Initial Perm(nom.) Percent Initial Perm(min.)	 200 Oe 100.0% 100.0%	
Coating/Pkg	Coating Type: Voltage Breakdown (min.) Limit Package Quantity	Tan/Tan Epoxy Paint 500 Vrms, 60Hz 3 mA, 5 s 40,000 Pcs/Box	

Winding Table	Wire Size	AWG	26	28	30	32	34	36	38	40	42	44	#N/A
		mm	0.400	0.315	0.250	0.200	0.160	0.125	0.100	0.080	0.063	0.050	#N/A
	Single Layer	Turns	10	13	17	21	27	35	44	55	69	87	#N/A
		Rdc(Ω)	14.6 m	30.2 m	62.7 m	123.2 m	251.9 m	519.3 m	1.0	2.1	4.1	8.3	#N/A
Full Winding	Turns	9	14	22	34	52	81	125	193	299	463	#N/A	
	Rdc(Ω)	13.1 m	32.5 m	81.2 m	199.5 m	485.2 m	1.2	2.9	7.2	17.8	44.0	#N/A	

