



Part Number: T22-10A

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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)	0.23 grams	
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	0.0370 cm ²	
	L _e - Eff. Mag. Path Length	1.28 cm	
	V _e - Eff. Core Volume	0.0470 cm ³	
	WA - Min. Eff. Window Area	0.0341 cm ²	
	sa - Surface Area	1.35 cm ²	
	mlt - mean length per turn	1.09 cm	
Inductance	μ _i (reference)	6	
	A _L value (nominal)	2.2 nH/N ²	
	Test Winding	N=50, #36 AWG	
	Frequency	1 MHz	
	Voltage on Agilent 4284A	0.82 V	
	A _L tolerance	±5%	
Core Loss & Q	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=4.00E+09, b=3.00E+08, c=2.70E+06, d=8.00E-16		
	Q test winding	#N/A	
	Q frequency	#N/A	
	Q min on HP4342A	#N/A	
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$		
	where H expressed in oersteds, and: a=1.00E-02, b=5.54E-09, c=1.69, d=0.00		
	H _{DC}	200 Oe	
	Percent Initial Perm(nom.)	99.6%	
	Percent Initial Perm(min.)	99.4%	
Coating/Pkg	Coating Type:	Black/Clear Epoxy Paint	
	Voltage Breakdown (min.)	500 Vrms, 60Hz	
	Limit	3 mA, 5 s	
	Package Quantity	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	

