



Part Number: T10-6

Revision 20190524 - Generated 2019-May-30



OD	(nom. - bare core) (max. - after coating)	2.46 mm 2.59 mm	0.097 in 0.102 in
ID	(nom. - bare core) (min. - after coating)	1.12 mm 0.99 mm	0.044 in 0.039 in
Ht	(nom. - bare core) (max. - after coating)	0.76 mm 0.89 mm	0.030 in 0.035 in
Mass	(approximate)	0.01 grams	
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	0.00450 cm ²	
	L _e - Eff. Mag. Path Length	0.560 cm	
	V _e - Eff. Core Volume	0.00250	
	WA - Min. Eff. Window Area	0.00771 cm ²	
	sa - Surface Area	0.219 cm ²	
Inductance	μ _i (reference)	8.5	
	A _L value (nominal)	1.15 nH/N ²	
	Test Winding	N=25, #40 AWG	
	Frequency	1 MHz	
	Voltage on Agilent 4284A	0.050 V	
Core Loss & Q	A _L tolerance	±5%	
	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=8.90E-16	
DC Saturation	Q test winding	N=25, #40 AWG	
	Q frequency	25 MHz	
Coating/Pkg	Q min on HP4342A	66	
	Coating Type:	Parylene C	
	Voltage Breakdown (min.)	500 Vrms, 60Hz	
	Limit	3 mA, 5 s	
Winding Table	Package Quantity	250,000 Pcs/Box	
	Wire Size	AWG	34 36 38 40 42 44 #N/A #N/A #N/A #N/A #N/A
Single Layer	mm	0.160 0.125 0.100 0.080 0.063 0.050 #N/A #N/A #N/A #N/A #N/A	
	Turns	12 15 19 25 32 40 #N/A #N/A #N/A #N/A #N/A	
Full Winding	Rdc(Ω)	39.8 m 79.1 m 159.4 m 333.5 m 679.0 m 1.3 #N/A #N/A #N/A #N/A #N/A	
	Turns	12 18 28 44 68 105 #N/A #N/A #N/A #N/A #N/A	
Full Winding	Rdc(Ω)	39.8 m 94.9 m 234.9 m 587.0 m 1.4 3.5 #N/A #N/A #N/A #N/A #N/A	

