



Part Number: **T60-2**

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OD	(nom. - bare core) (max. - after coating)	15.24 mm 15.75 mm	0.600 in 0.620 in
ID	(nom. - bare core) (min. - after coating)	8.53 mm 8.03 mm	0.336 in 0.316 in
Ht	(nom. - bare core) (max. - after coating)	5.94 mm 6.45 mm	0.234 in 0.254 in
Mass	(approximate)	3.5 grams	
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	0.187 cm ²	
	L _e - Eff. Mag. Path Length	3.74 cm	
	V _e - Eff. Core Volume	0.699 cm ³	
	WA - Min. Eff. Window Area	0.506 cm ²	
	sa - Surface Area	9.10 cm ²	
Inductance	μ _i (reference)	10	
	A _L value (nominal)	6.5 nH/N ²	
	Test Winding	N=100, #32 AWG	
	Frequency	1 MHz	
	Voltage on Agilent 4284A	1.0 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=9.60E-16	
	Q test winding	N=100, #32 AWG	
	Q frequency	2 MHz	
DC Saturation	Q min on HP4342A	129	
	%μ _i =	$\frac{1}{a + b \cdot H^c} + d$	
	where H expressed in oersteds, and:	a=1.00E-02, b=1.83E-07, c=1.46, d=0.00	
	H _{DC}	200 Oe	
	Percent Initial Perm(nom.)	95.9%	
Coating/Pkg	Percent Initial Perm(min.)	94.8%	
	Coating Type:	Red/Clear Epoxy Paint	
	Voltage Breakdown (min.)	500 Vrms, 60Hz	
	Limit	3 mA, 5 s	
Winding Table	Package Quantity	3,000 Pcs/Box	
	Wire Size	AWG	14 16 18 20 22 24 26 28 30 32 34
Single Layer	mm	1.600 1.250 1.000 0.800 0.630 0.500 0.400 0.315 0.250 0.200 0.160	
	Turns	10 13 17 22 29 36 46 58 72 91 114	
Full Winding	Rdc(Ω)	2.0 m 4.2 m 8.8 m 18.0 m 37.8 m 74.6 m 151.7 m 304.2 m 600.5 m 1.2 2.4	
	Turns	10 15 24 36 56 87 135 209 323 500 775	
Full Winding	Rdc(Ω)	2.0 m 4.9 m 12.4 m 29.5 m 73.0 m 180.4 m 445.2 m 1.1 2.7 6.6 16.3	

