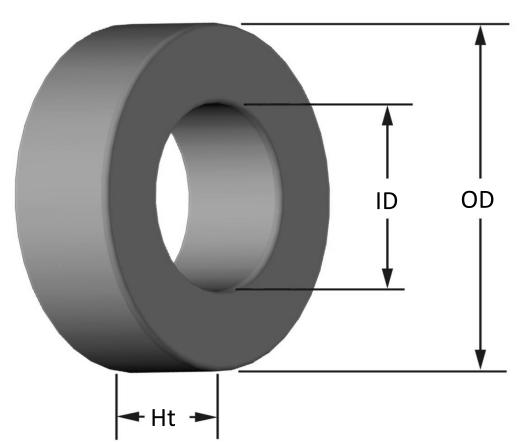
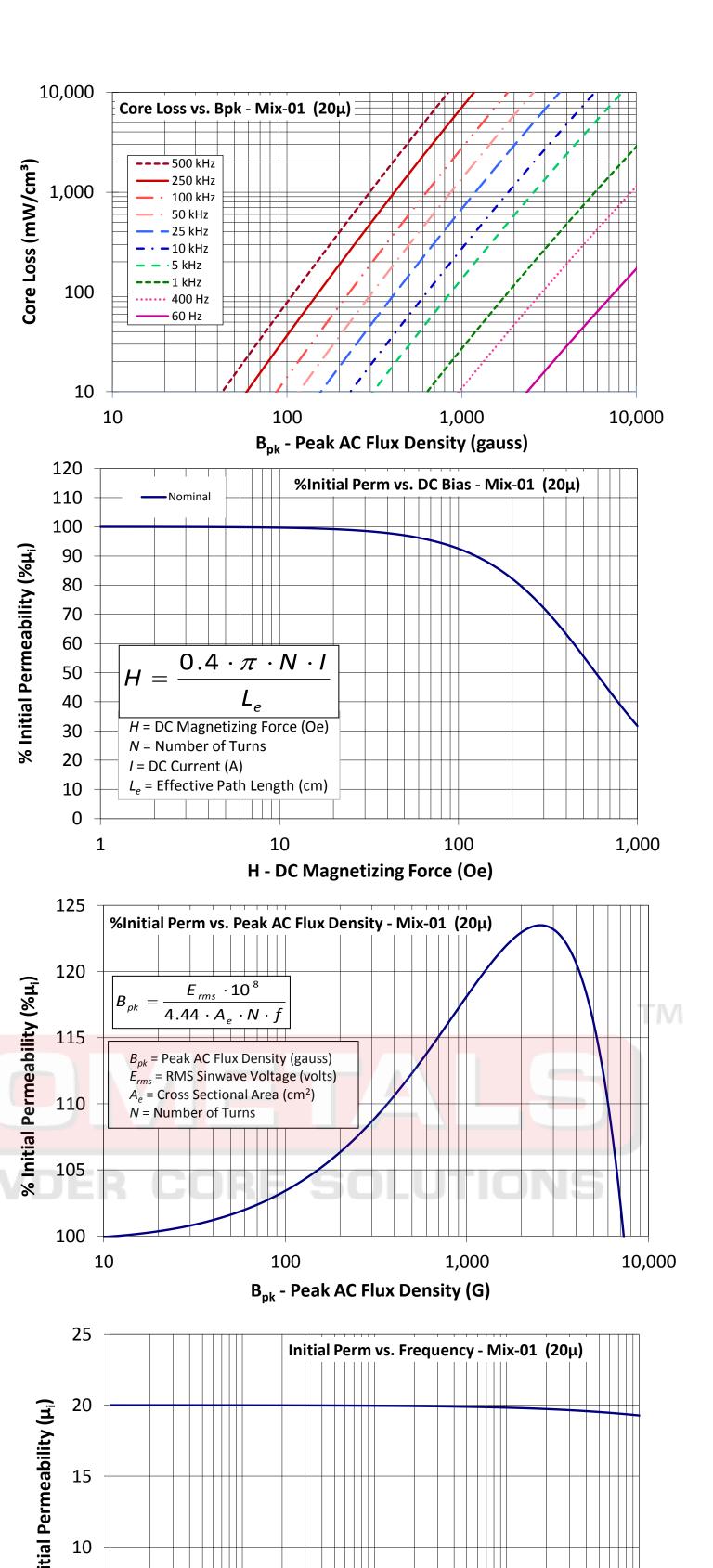


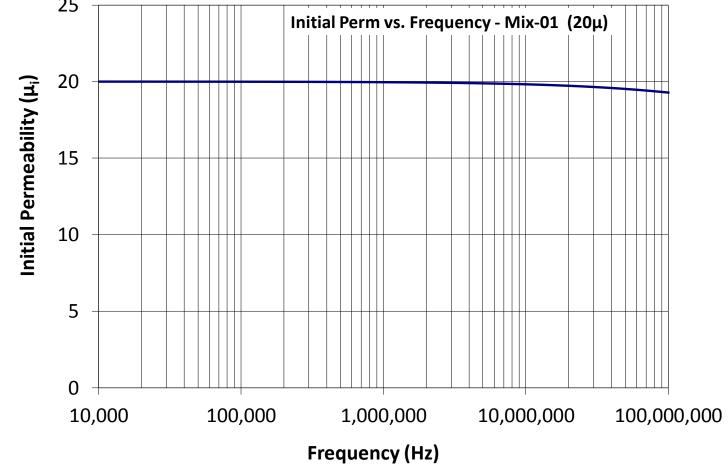
T37-1 **Part Number:**

Revision 20190524 - Generated 2019-May-30



	l									
OD	(nom bar	•		53 mm	0.375 in 0.390 in					
	(max afte	<u>_</u>								
ID	(nom bar	•	_	5.21 mm 0.2						
	(min afte	<u> </u>		33 mm	0.190 in					
Ht	(nom bar	·		25 mm	0.128 in					
D. (1	(max afte			76 mm	0.148 in					
Mass	(approxima	•		4 grams						
ion	A _e - Eff. Mag. Cross Section 0.0640 cm ²									
ens		g. Path Length		2.31 cm						
Dim	V _e - Eff. Core Volume 0.147 cm ³									
Magnetic Dimensions	WA - Min. Eff. Window Area 0.183 cm ²									
gne	sa - Surface Area 3.47 cm ²									
Ma	mlt - mean	length per turn	n 1.	5 <mark>0</mark> cm						
	μ _i (referenc	ce)		20						
Ce	A _L value (n	ominal)	8	nH/N²						
Inductance	Test Windi	ng	N=125	N=125, #32 AWG						
duc	Frequency 10 kHz									
<u>I</u> nc	Voltage on Agilent 4284A 0.036 V									
	A _L tolerand	e	<u> </u>	:10%						
Core Loss	Core Loss(mW/cm³)= $\frac{f}{a + b} + c + d \cdot Bpk^2 \cdot f^2$ where B_{pk} expressed in gauss, f expressed in hertz, and:									
ore	a=1.90E+09, b=2.00E+08, c=9.00E+05, d=4.30E-15									
Ö	Bpk 140 G frequency 100 kHz									
	frequency	nominal)		31 mW/cm ³						
	Core Loss (maximum)		36 mW/cm ³						
DC Saturation	$\% \mu_{\rm i} = \frac{1}{a+b\cdot H^c} + d$ where H expressed in oersteds, and: $a=1.00E-02, \ b=1.14E-06, \ c=1.43, \ d=0.00$ ${\rm H_{DC}} \qquad \qquad 200 \ {\rm Oe}$ Percent Initial Perm(nom.) 82.2%									
bū	Percent Initial Perm(min.) 78.0%									
Coating/Pkg	Coating Type: Blue/Clear Epoxy Paint									
ing/	Voltage Breakdown (min.) 500 Vrms, 60Hz									
oat	Limit			3 mA, 5 s						
Ö	Package Q	-	0 Pcs/Box							
<u>e</u>	Wire Size	AWG	20	22	24					
Table		mm -	0.800	0.630	0.500					
Winding T	Single	Turns	12	16	21	!				
ndii	Layer	Rdc(Ω)	6.0 m	12.7 m	26.5 m					
Wil	Full	Turns	13	20	32					
	Winding	$Rdc(\Omega)$	6.5 m	15.9 m	40.4 m					





r ackage Quartity		20,000 T C3/ BOX											
	Miro Sizo	AWG	20	22	24	26	28	30	32	34	36	38	40
	Wire Size	mm	0.800	0.630	0.500	0.400	0.315	0.250	0.200	0.160	0.125	0.100	0.080
	Single	Turns	12	16	21	26	34	42	53	67	84	105	132
	Layer	$Rdc(\Omega)$	6.0 m	12.7 m	26.5 m	52.2 m	108.6 m	213.4 m	428.3 m	861.2 m	1.7	3.4	6.8
	Full	Turns	13	20	32	49	76	117	181	280	433	671	1,038
	Winding	Rdc(Ω)	6.5 m	15.9 m	40.4 m	98.4 m	242.8 m	594.5 m	1.5	3.6	8.9	21.8	53.7