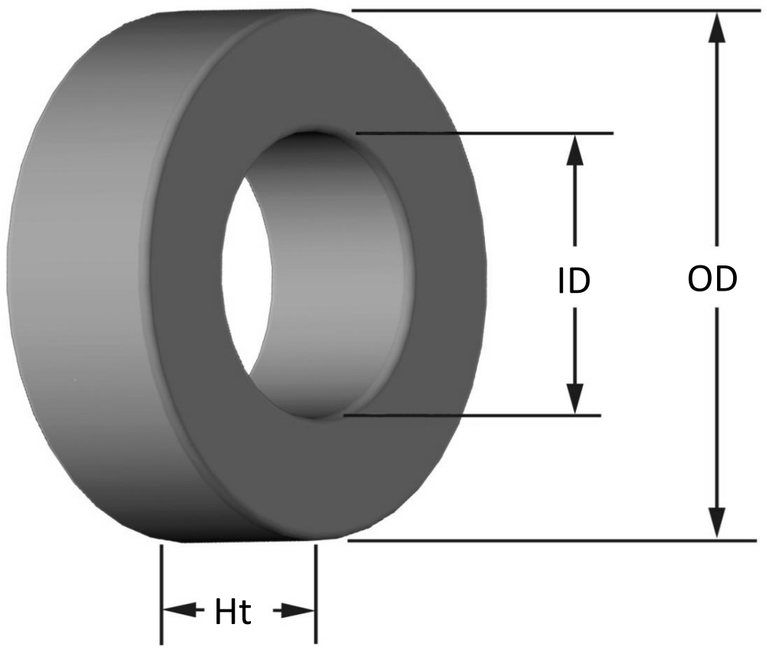
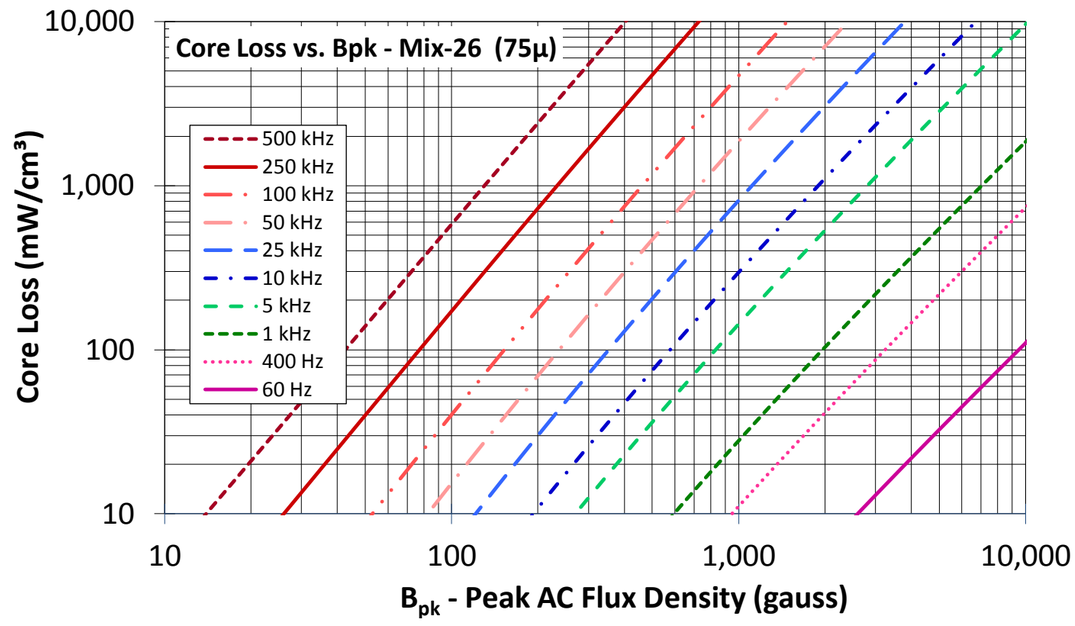
MICROMETALS™
POWDER CORE SOLUTIONS

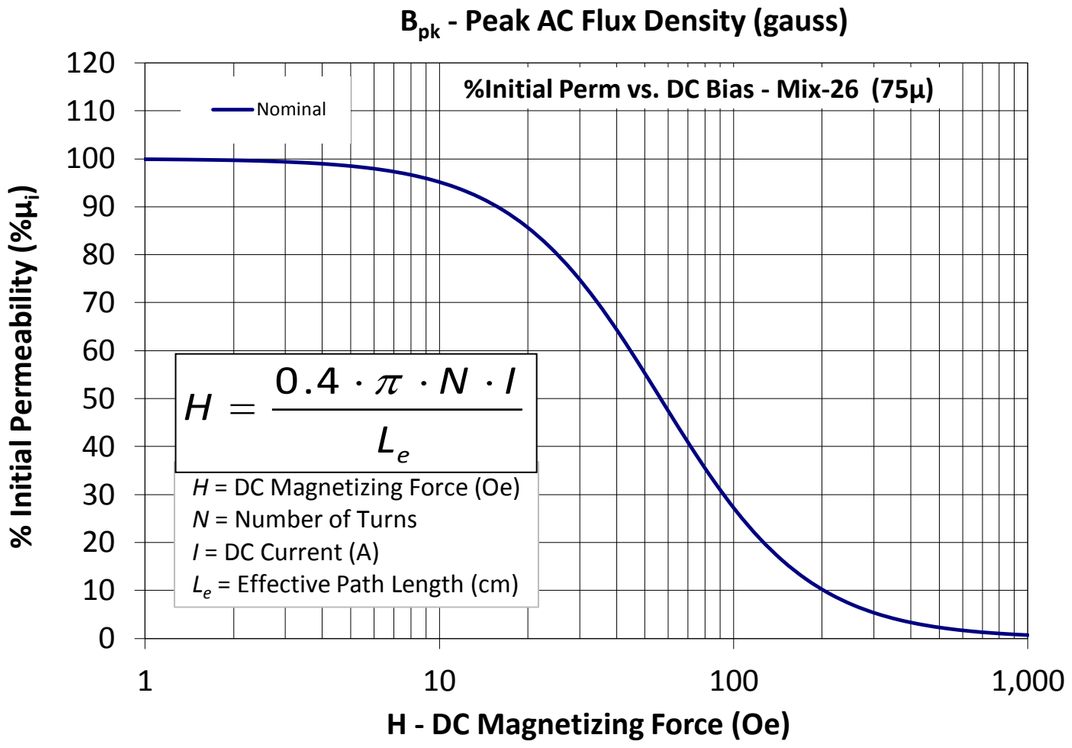
Part Number:	T60-26

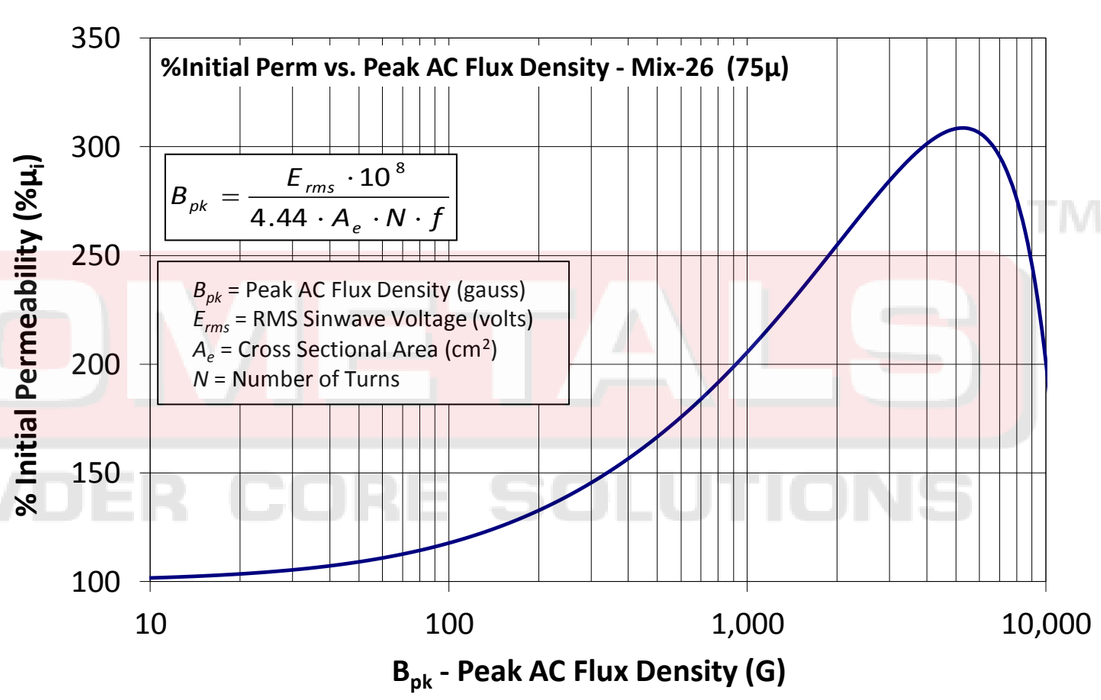
Revision 20190524 - Generated 2019-May-30

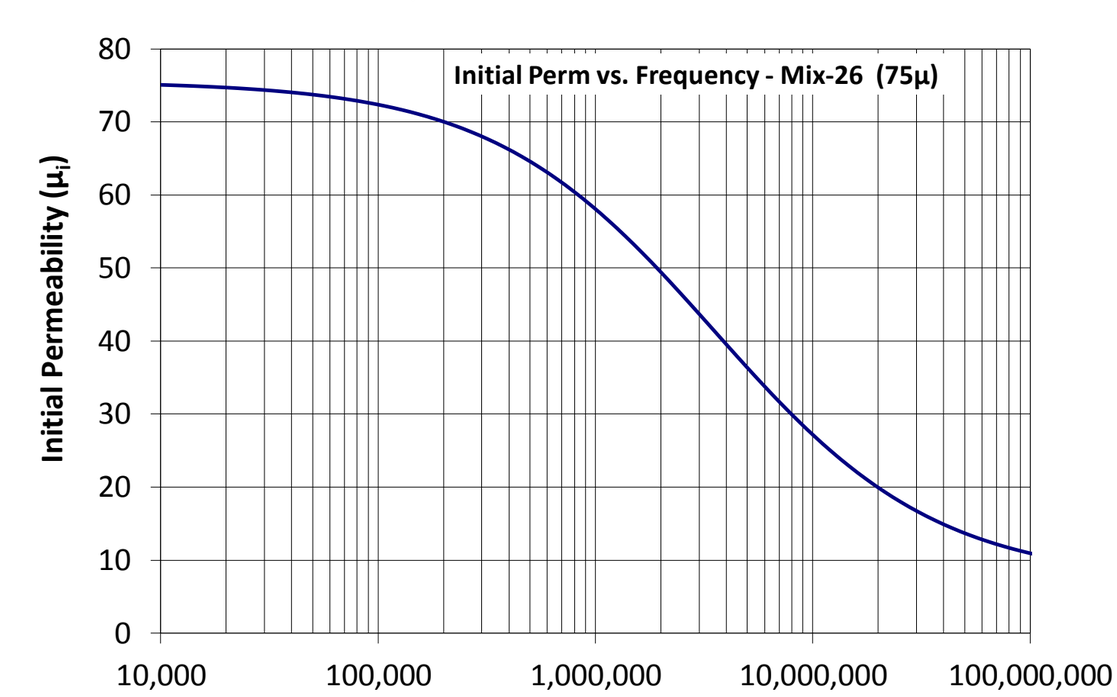


OD	(nom. - bare core)	15.24 mm	0.600 in
	(max. - after coating)	15.75 mm	0.620 in
ID	(nom. - bare core)	8.53 mm	0.336 in
	(min. - after coating)	8.03 mm	0.316 in
Ht	(nom. - bare core)	5.94 mm	0.234 in
	(max. - after coating)	6.45 mm	0.254 in
Mass	(approximate)	4.9 grams	
Magnetic Dimensions	A_e - Eff. Mag. Cross Section	0.187 cm²	
	L_e - Eff. Mag. Path Length	3.74 cm	
	V_e - Eff. Core Volume	0.699 cm³	
	WA - Min. Eff. Window Area	0.506 cm²	
	sa - Surface Area	9.10 cm²	
	mlt - mean length per turn	2.46 cm	
Inductance	μ_i(reference)	75	
	A_L value (nominal)	50 nH/N²	
	Test Winding	N=100, #32 AWG	
	Frequency	10 kHz	
	Voltage on Agilent 4284A	0.083 V	
	A_L tolerance	±10%	
Core Loss	Core Loss(mW/cm³)= $\frac{f}{\frac{a}{Bpk^{3}}+\frac{b}{Bpk^{2.3}}+\frac{c}{Bpk^{1.65}}}+d\cdot Bpk^{2}\cdot f^{2}$		
	where B_{pk} expressed in gauss, f expressed in hertz, and:		
	a=1.00E+09, b=1.10E+08, c=1.90E+06, d=1.90E-13		
	Bpk	140 G	
	frequency	100 kHz	
	Core Loss (nominal)	83 mW/cm³	
	Core Loss (maximum)	95 mW/cm³	
DC Saturation	$\%\mu_i = \frac{1}{a+b\cdot H^{c}}+d$		
	where H expressed in oersteds, and:		
	a=1.00E-02, b=9.70E-06, c=1.72, d=0.00		
	H_{DC}	50 Oe	
	Percent Initial Perm(nom.)	55.2%	
	Percent Initial Perm(min.)	47.4%	
Coating/Pkg	Coating Type:	Yellow/White Epoxy Paint	
	Voltage Breakdown (min.)	500 Vrms, 60Hz	
	Limit	3 mA, 5 s	
	Package Quantity	3,000 Pcs/Box	









Winding Table	**Wire Size**	AWG	14	16	18	20	22	24	26	28	30	32	34
		mm	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315	0.250	0.200	0.160
	Single Layer	Turns	10	13	17	22	29	36	46	58	72	91	114
		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
	Full Winding	Turns	10	15	24	36	56	87	135	209	323	500	775
		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

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