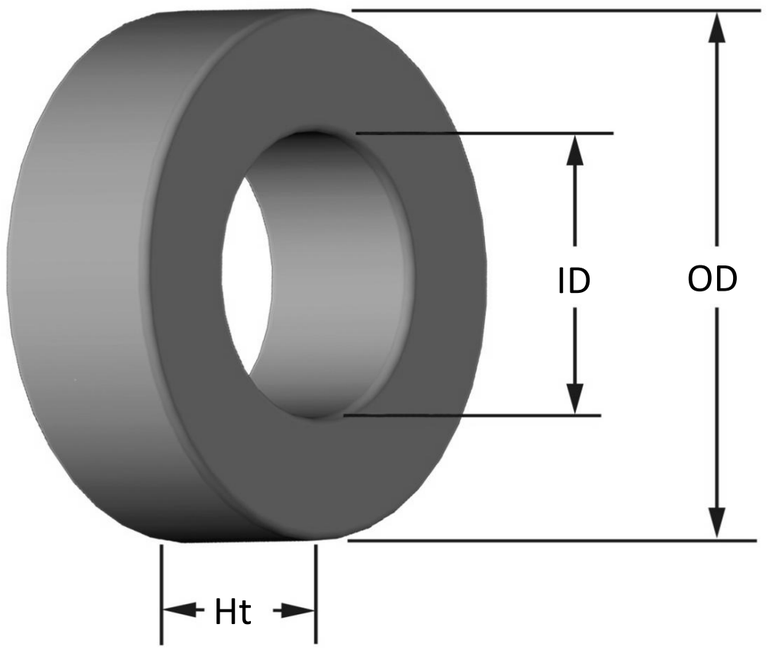
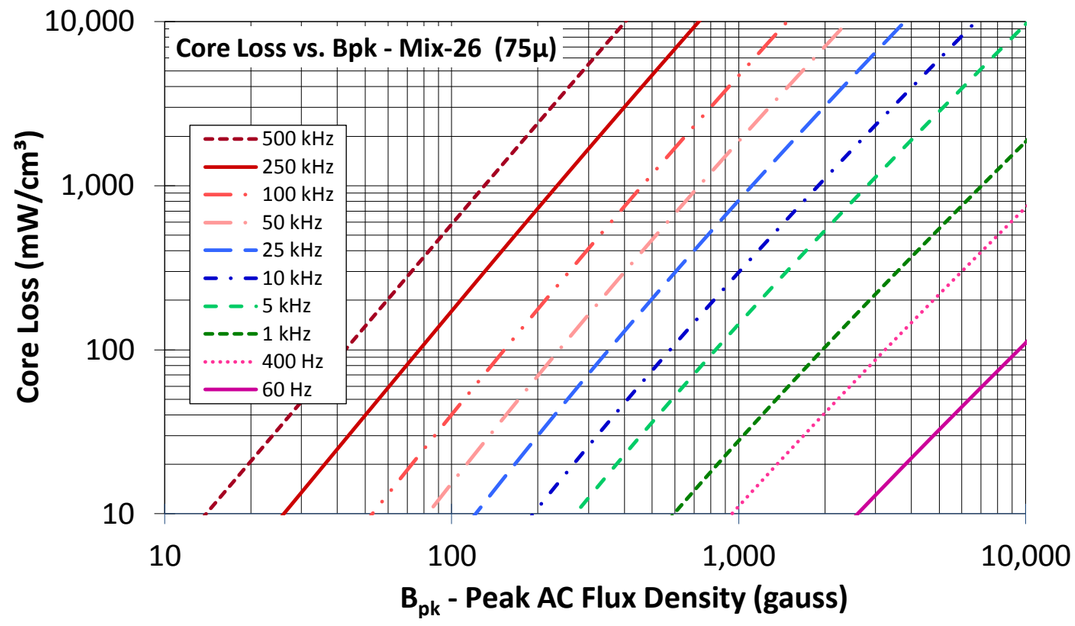
MICROMETALS™
POWDER CORE SOLUTIONS

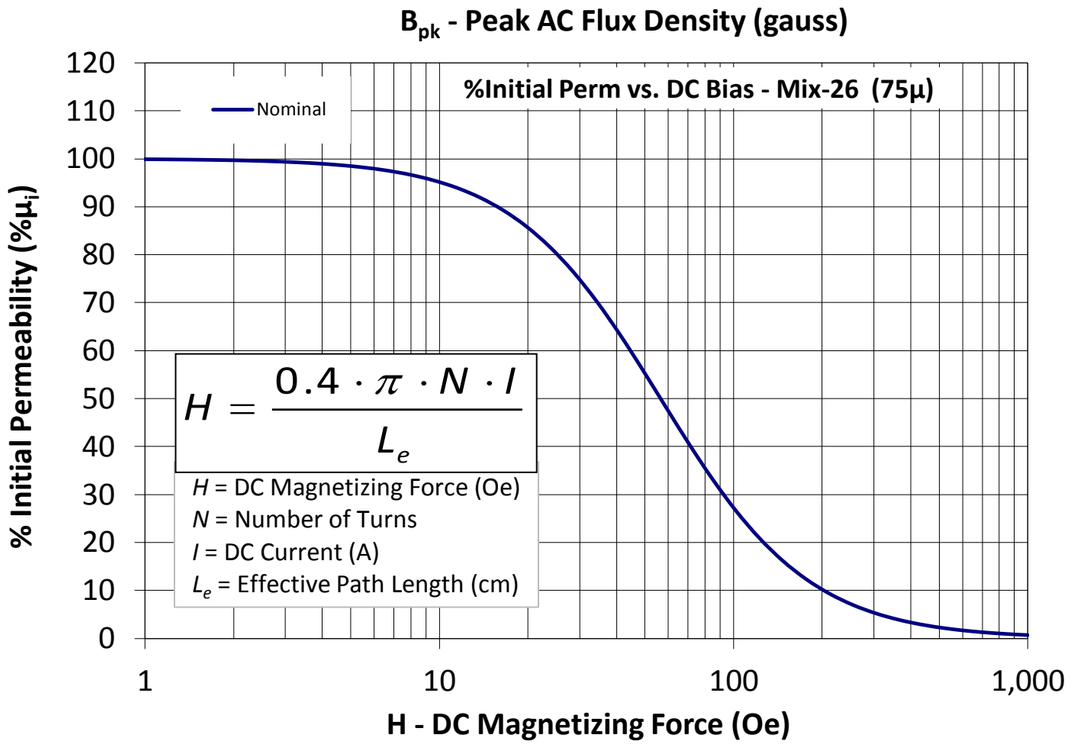
Part Number:	T200-26B

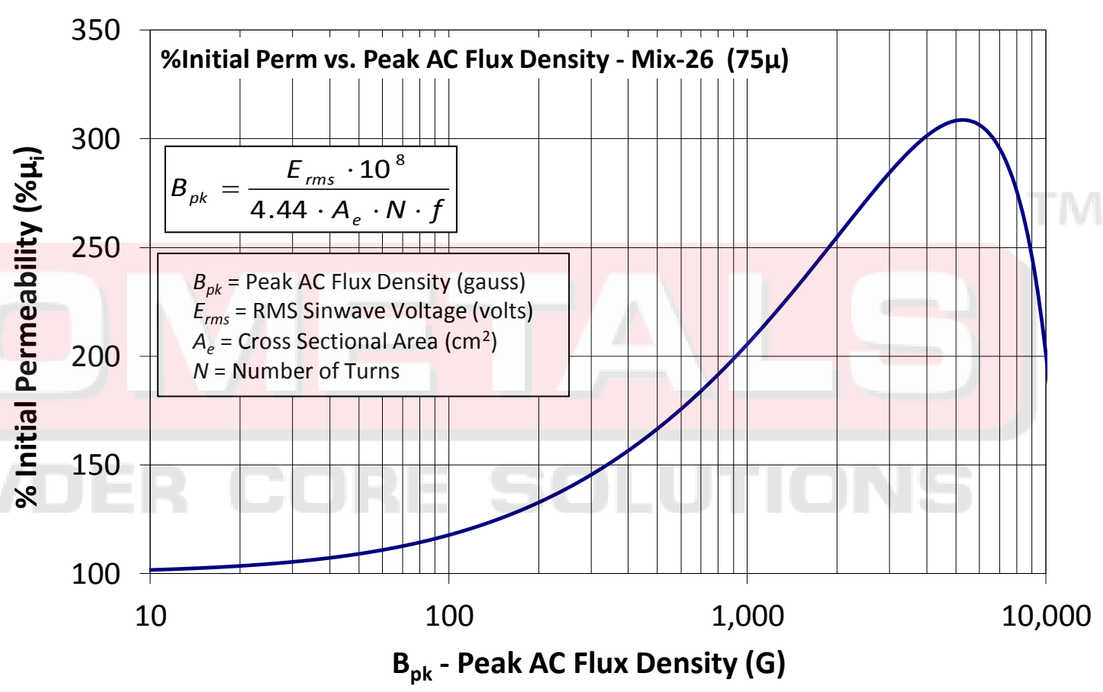
Revision 20190524 - Generated 2019-May-30

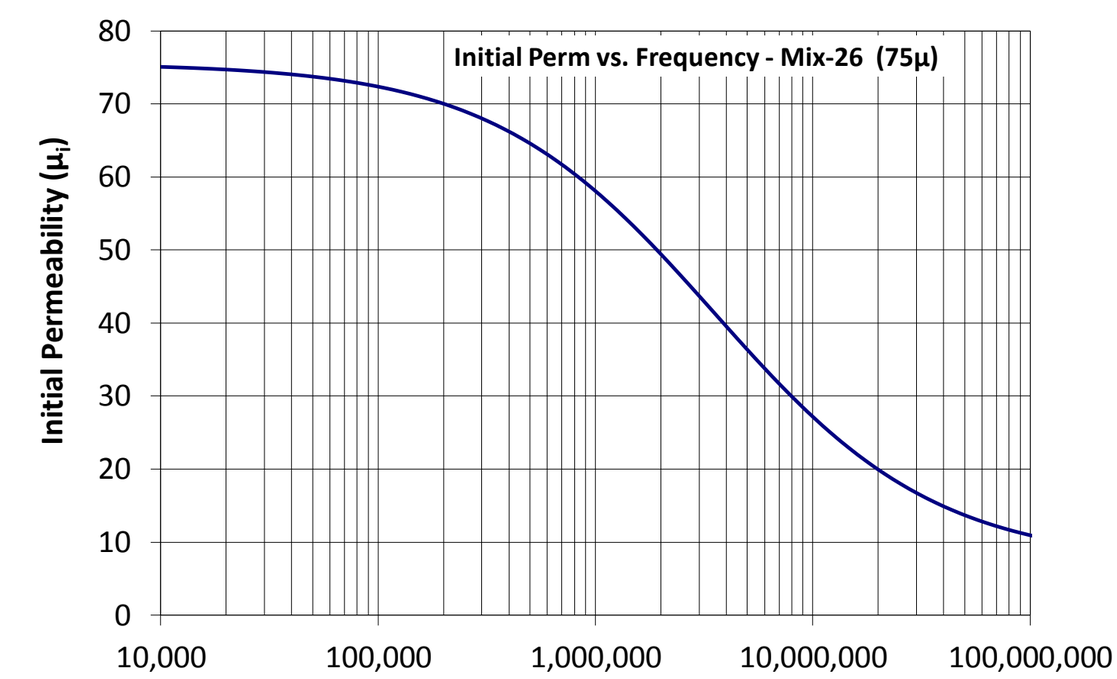


OD	(nom. - bare core)	50.80 mm	2.000 in
	(max. - after coating)	51.44 mm	2.025 in
ID	(nom. - bare core)	31.75 mm	1.250 in
	(min. - after coating)	31.12 mm	1.225 in
Ht	(nom. - bare core)	25.40 mm	1.000 in
	(max. - after coating)	26.16 mm	1.030 in
Mass	(approximate)	210 grams	
Magnetic Dimensions	A_e - Eff. Mag. Cross Section	2.31 cm²	
	L_e - Eff. Mag. Path Length	13.0 cm	
	V_e - Eff. Core Volume	29.8 cm³	
	WA - Min. Eff. Window Area	7.60 cm²	
	sa - Surface Area	110 cm²	
	mlt - mean length per turn	8.82 cm	
Inductance	μ_i(reference)	75	
	A_L value (nominal)	160 nH/N²	
	Test Winding	N=100, #22 AWG	
	Frequency	10 kHz	
	Voltage on Agilent 4284A	1.0 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	75 Pcs/Box	









Winding Table	**Wire Size**	AWG	8	10	12	14	16	18	20	22	24	26	28
		mm	3.150	2.500	2.000	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315
	Single Layer	Turns	24	30	38	48	60	76	95	119	149	185	231
		Rdc(Ω)	4.4 m	8.7 m	17.4 m	35.0 m	69.6 m	140.2 m	278.8 m	555.4 m	1.1	2.2	4.3
	Full Winding	Turns	40	62	95	148	228	353	547	847	1,311	2,029	3,140
		Rdc(Ω)	7.3 m	17.9 m	43.6 m	108.0 m	264.5 m	651.4 m	1.6	4.0	9.7	24.0	58.9

Micrometals Iron Powder Cores, A Division of Micrometals, Inc. - 5615 E. La Palma Ave., Anaheim, California 92807 USA
Ph: +1-714-970-9400, Toll Free in USA: +1-800-356-5977
www.Micrometals.com