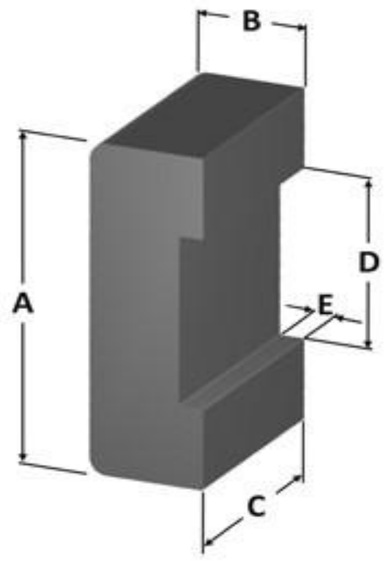
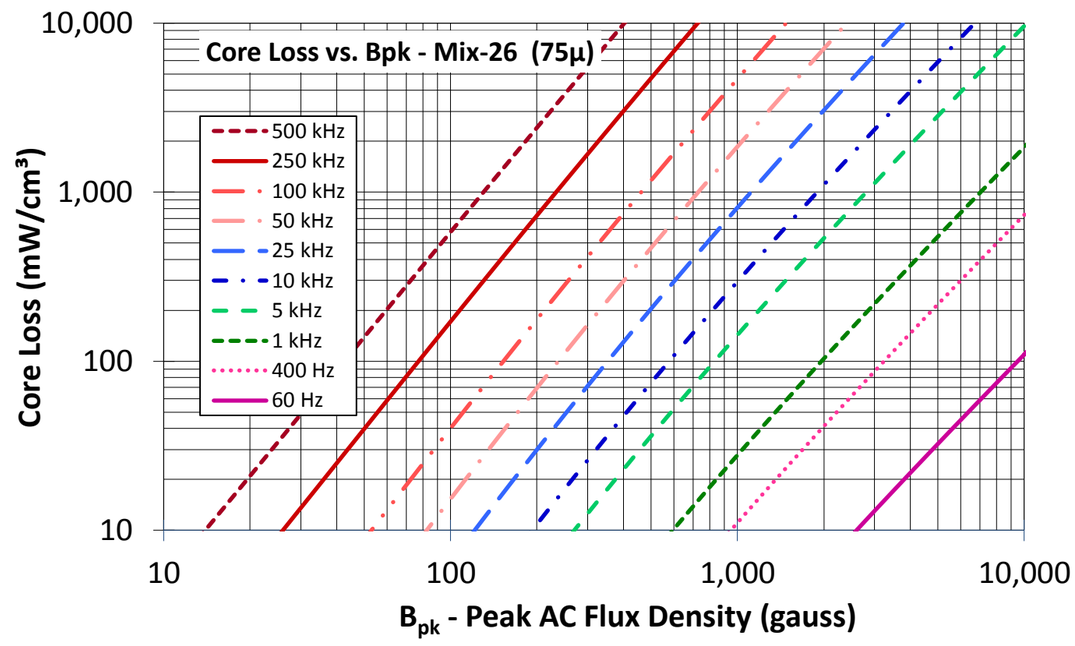
MICROMETALS™
POWDER CORE SOLUTIONS

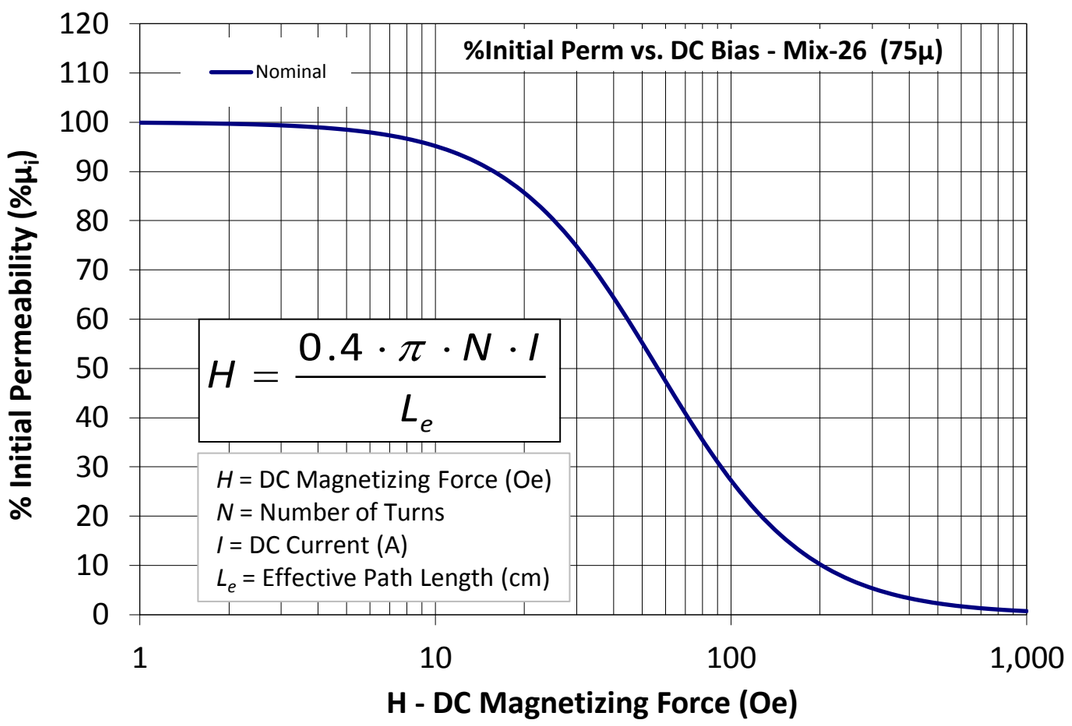
Part Number:	HS400-26

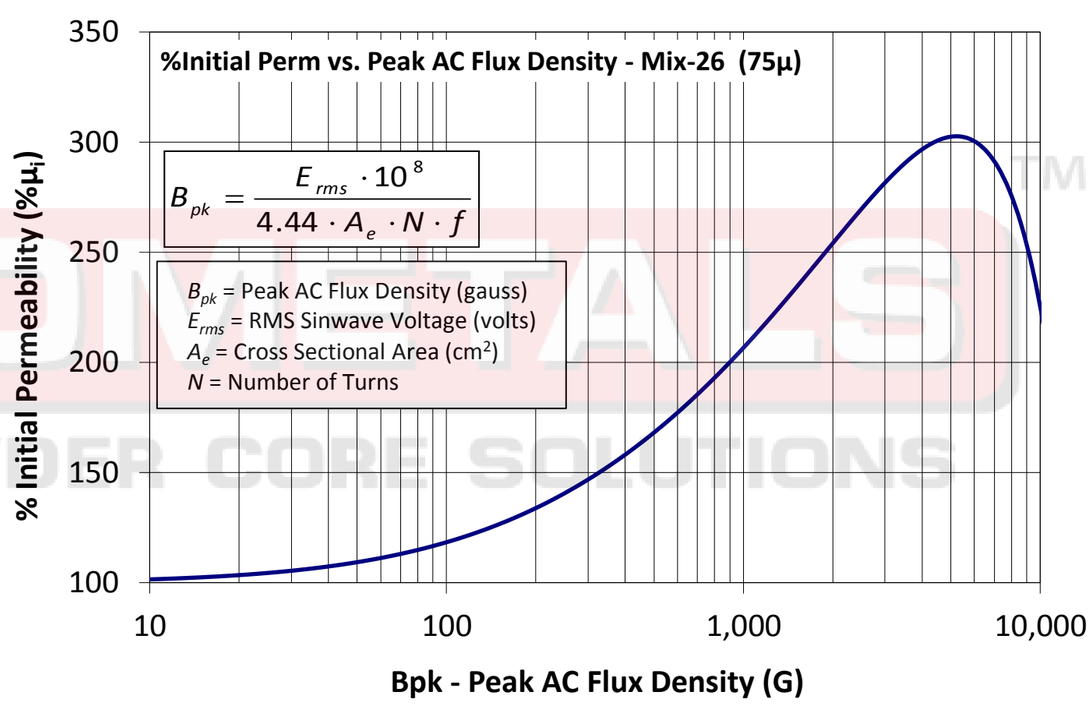
Revision 20200407 - Generated 2020-Apr-07

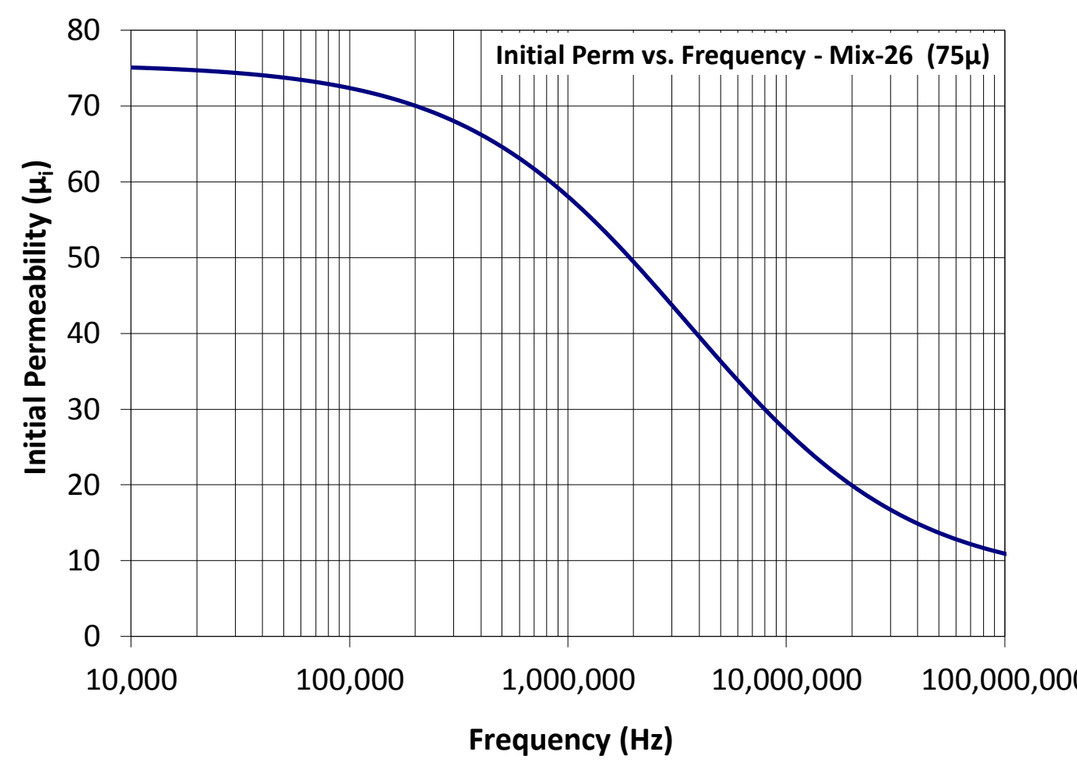


A	38.10 ± 0.38 mm	1.500 ± 0.015 in
B	12.19 ± 0.25 mm	0.480 ± 0.010 in
C	19.05 ± 0.51 mm	0.750 ± 0.020 in
D	19.43 mm (nom.)	0.765 in (nom.)
E	2.60 mm (nom.)	0.103 in (nom.)
Mass	(approximate)	53 grams/half
Magnetic Dimensions	A_e - Eff. Mag. Cross Section	1.78 cm²
	L_e - Eff. Mag. Path Length	8.71 cm
	V_e - Eff. Core Volume	15.1 cm³
	WA - Min. Eff. Window Area	0.981 cm²
	sa - Surface Area	42.4 cm²
	mlt - mean length per turn	6.77 cm
Inductance	μ_i(reference)	75
	A_L value (nominal)	221 nH/N²
	Test Winding	N=25, #24 AWG
	Frequency	10 kHz
	Voltage on Agilent 4284A	0.20 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	
	B_{pk}	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 epoxy, outer surface only
	Voltage Breakdown (min.)	N/A
	Limit	N/A
	Package Quantity	300 Halves/Box









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