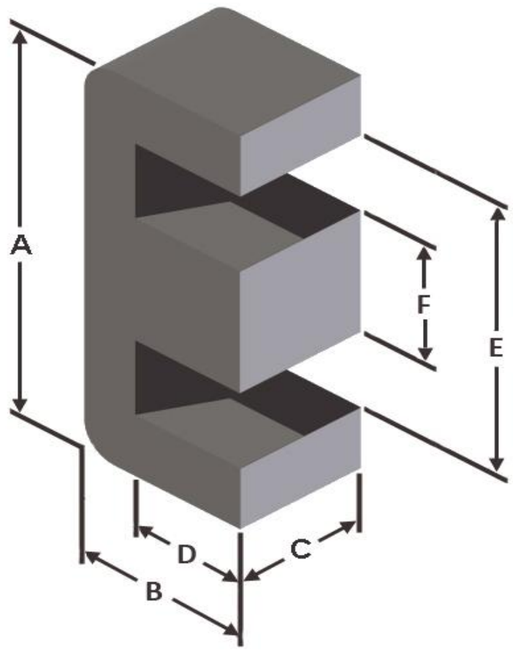
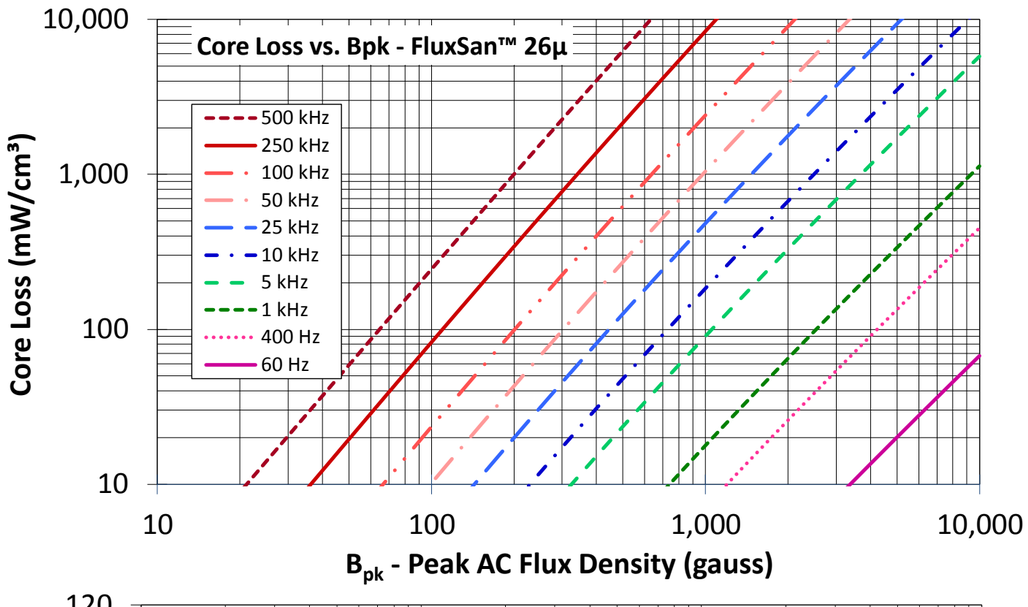
MICROMETALS™
POWDER CORE SOLUTIONS

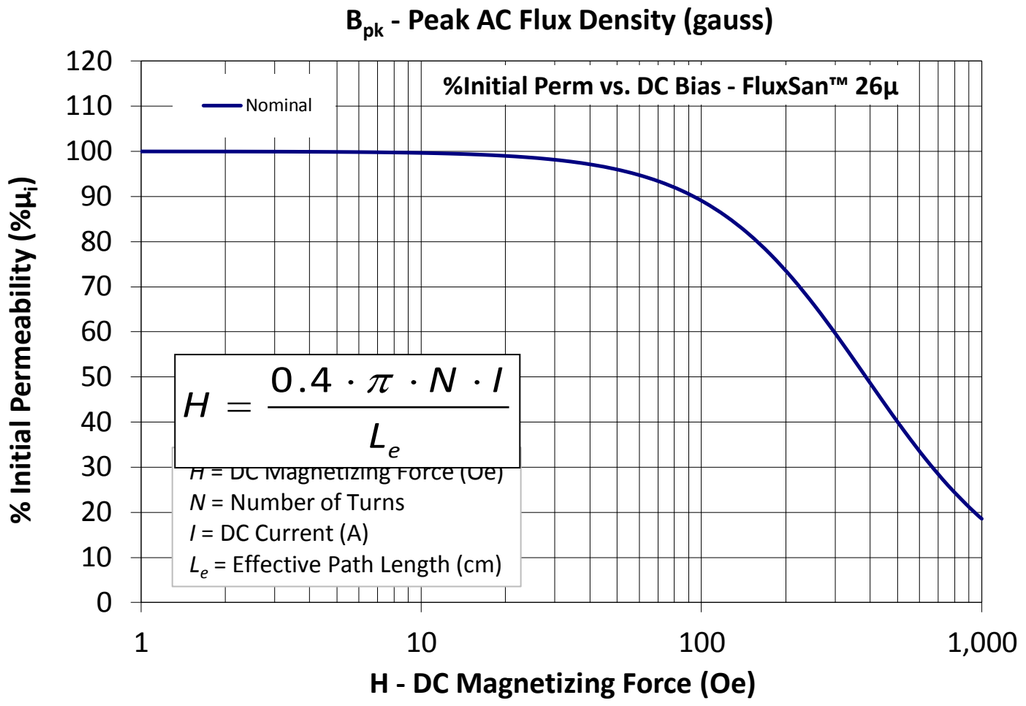
Part Number:	EFS-0653327-026

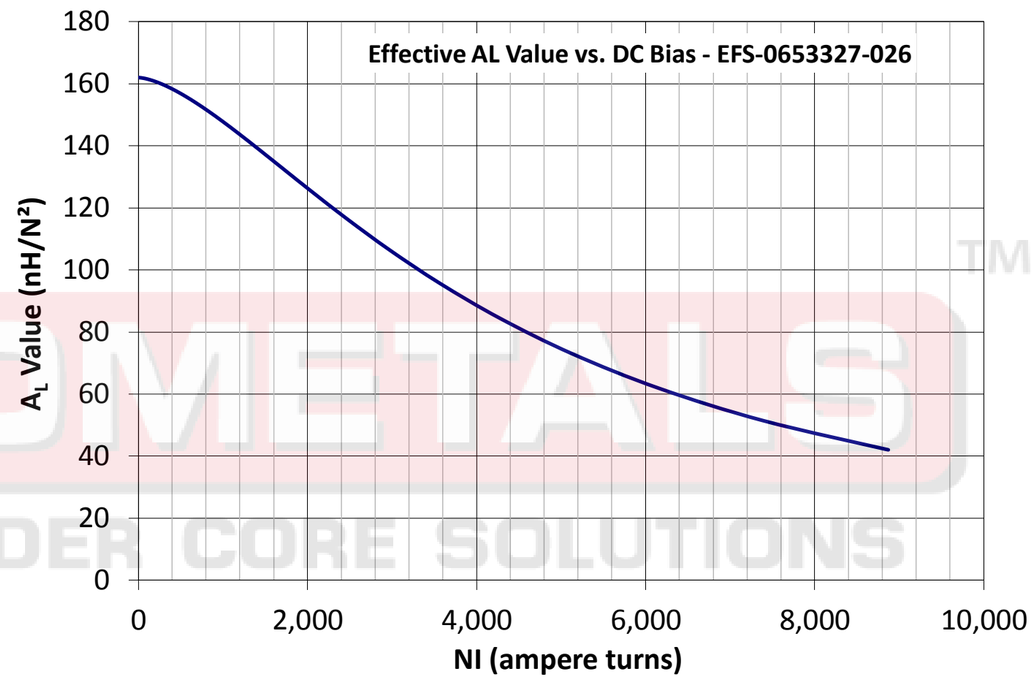
Revision 20190529 - Generated 2019-May-29

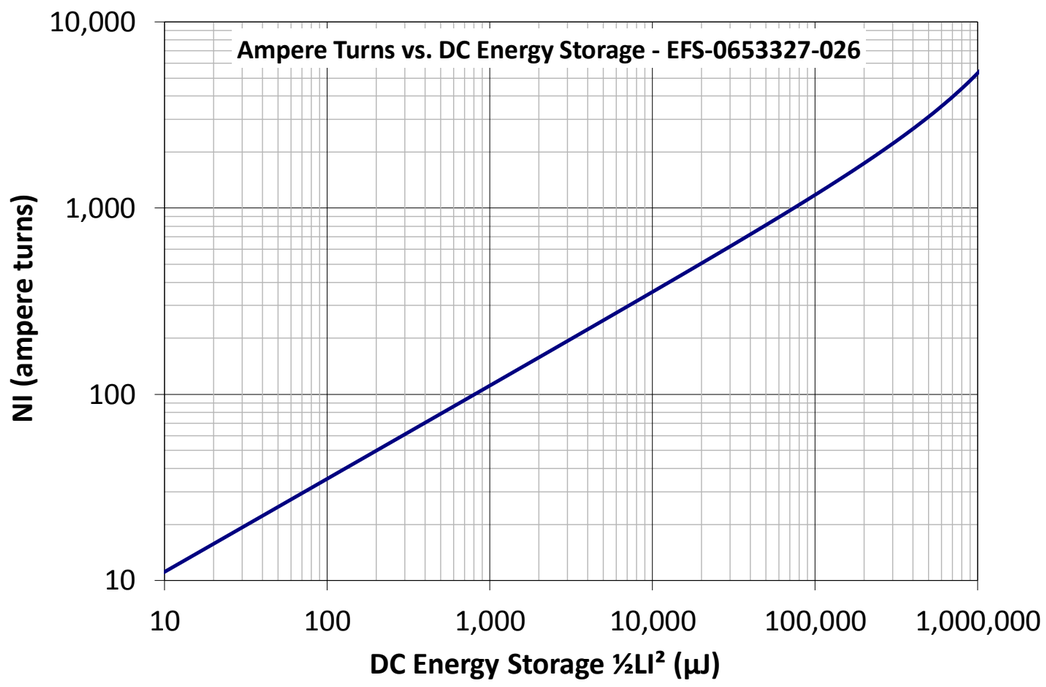


A	65.1 ± 0.97 mm	2.563 ± 0.038 in
B	32.5 ± 0.48 mm	1.280 ± 0.019 in
C	27 ± 0.53 mm	1.063 ± 0.021 in
D	22.2 mm (min.)	0.874 in (min.)
E	44.2 mm (min.)	1.740 in (min.)
F	19.7 ± 0.41 mm	0.776 ± 0.016 in
Mass	(approximate)	230 grams/half
Magnetic Dimensions	A_e - Eff. Mag. Cross Section	5.40 cm²
	L_e - Eff. Mag. Path Length	14.7 cm
	V_e - Eff. Core Volume	79.4 cm³
	WA - Min. Eff. Window Area	5.35 cm²
	sa - Surface Area	177 cm²
	mlt - mean length per turn	14.2 cm
Inductance	μ_i(reference)	26
	A_L value (nominal)	162 nH/N²
	Test Winding	N=100, #16 AWG
	Frequency	10 kHz
	Voltage on Agilent 4284A	2.4 V
	A_L tolerance	±8%
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+06, b=1.70E+08, c=3.12E+06, d=6.33E-14	
	B_{pk}	300 G
	frequency	100 kHz
	Core Loss (nominal)	225 mW/cm³
	Core Loss (maximum)	258 mW/cm³
DC Saturation	$\%\mu_i = \frac{1}{a + b\cdot H^{c}} + d$	
	where H expressed in oersteds, and:	
	a=0.01, b=9.59E-07, c=1.55, d=0.00	
	H_{DC}	200 Oe
	Percent Initial Perm(nom.)	73.5%
	Percent Initial Perm(min.)	67.7%
Coating/Pkg	Coating Type:	None
	Voltage Breakdown (min.)	N/A
	Limit	N/A
	Package Quantity	45 Halves/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
Full Winding	Turns	29	45	69	107	165	256	396	614	950	1,470	2,275
	Rdc(Ω)	8.5 m	21.0 m	51.1 m	126.0 m	309.1 m	762.6 m	1.9	4.6	11.4	28.0	69.0

Handling and Storage: Cores should be stored in the original unopened packaging between -10°C and +50°C and less than 60% relative humidity. After the original packaging is opened, the cores should be stored between -8°C and +25°C less than 30% relative humidity. Gloves should be used when handling uncoated cores. The cores should also be sheltered from rain, moisture, salt water, salt air, plasters, ashes, sulfur, sulfur dioxide, ammonia sulfates, soils, acids, metals shavings, and solvents.

Operating Temperature: Cores can be used continuously at operating temperatures between -60°C and +200°C.

RoHS 2.0, REACH and ISO (TS16949, ISO 9001, ISO 14001) compliant. Statements available for download at www.micrometalsapc.com.

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