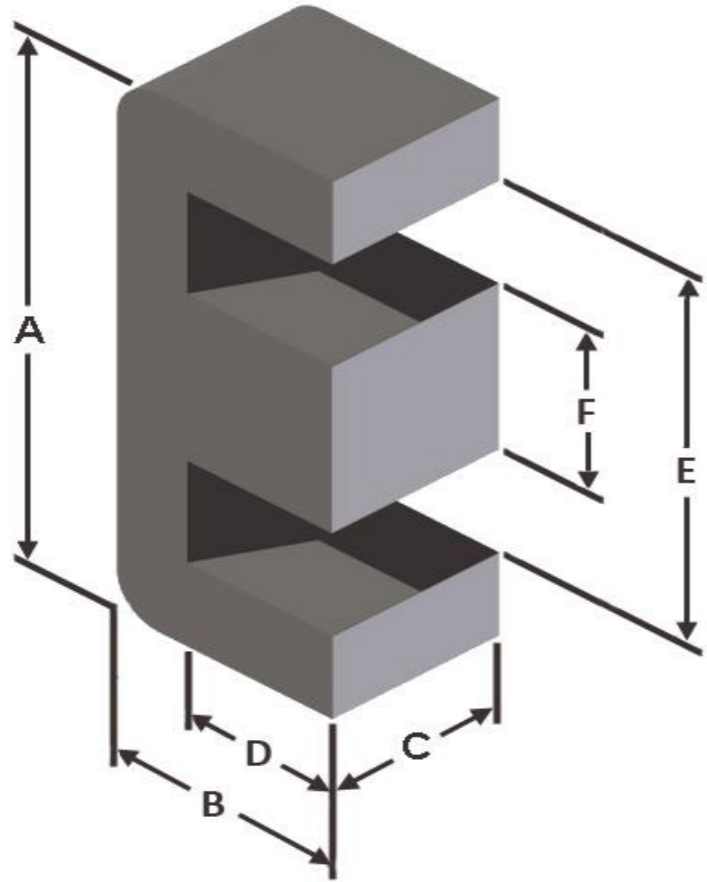




**Part Number: EFS-0190805-014**

Revision 20160816 - Generated 2016-Aug-16



<b>A</b>	19.3 ± 0.30 mm	0.760 ± 0.012 in
<b>B</b>	8.1 ± 0.18 mm	0.319 ± 0.007 in
<b>C</b>	4.78 ± 0.15 mm	0.188 ± 0.006 in
<b>D</b>	5.54 mm (min.)	0.218 in (min.)
<b>E</b>	13.9 mm (min.)	0.547 in (min.)
<b>F</b>	4.78 ± 0.13 mm	0.188 ± 0.005 in
<b>Mass</b>	(approximate)	2.6 grams/half
<b>Magnetic Dimensions</b>	A <sub>e</sub> - Eff. Mag. Cross Section	0.228 cm <sup>2</sup>
	L <sub>e</sub> - Eff. Mag. Path Length	4.01 cm
	V <sub>e</sub> - Eff. Core Volume	0.914 cm <sup>3</sup>
	WA - Min. Eff. Window Area	0.498 cm <sup>2</sup>
	sa - Surface Area	11.9 cm <sup>2</sup>
	mlt - mean length per turn	3.74 cm
<b>Inductance</b>	μ <sub>i</sub> (reference)	14
	A <sub>L</sub> value (nominal)	17 nH/N <sup>2</sup>
	Test Winding	N=100, #26 AWG
	Frequency	10 kHz
	Voltage on Agilent 4284A	0.10 V
	A <sub>L</sub> tolerance	±8%
<b>Core Loss</b>	$\text{Core Loss (mW/cm}^3\text{)} = \frac{f}{\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}}} + d \cdot B_{pk}^2 \cdot f^2$	
	where B <sub>pk</sub> expressed in gauss, f expressed in hertz, and: a=1.00E+06, b=7.92E+07, c=2.34E+06, d=5.39E-14	
	B <sub>pk</sub>	300 G
	frequency	100 kHz
	Core Loss (nominal)	334 mW/cm <sup>3</sup>
Core Loss (maximum)	384 mW/cm <sup>3</sup>	
<b>DC Saturation</b>	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$	
	where H expressed in oersteds, and: a=0.02, b=2.59E-07, c=1.55, d=41.68	
	H <sub>DC</sub>	200 Oe
	Percent Initial Perm(nom.)	96.9%
Percent Initial Perm(min.)	96.0%	
<b>Coating/Pkg</b>	Coating Type:	None
	Voltage Breakdown (min.)	N/A
	Limit	N/A
	Package Quantity	1,080 Halves/Box

<b>Winding Table</b>	<b>Wire Size</b>	AWG	16	18	20	22	24	26	28	30	32	34	36
		mm	1.250	1.000	0.800	0.630	0.500	0.400	0.315	0.250	0.200	0.160	0.125
	<b>Full Winding</b>	Turns	15	24	37	57	88	137	212	328	508	786	1,216
	Rdc(Ω)		7.4 m	18.8 m	46.0 m	112.7 m	276.7 m	685.0 m	1.7	4.1	10.2	25.1	61.9

