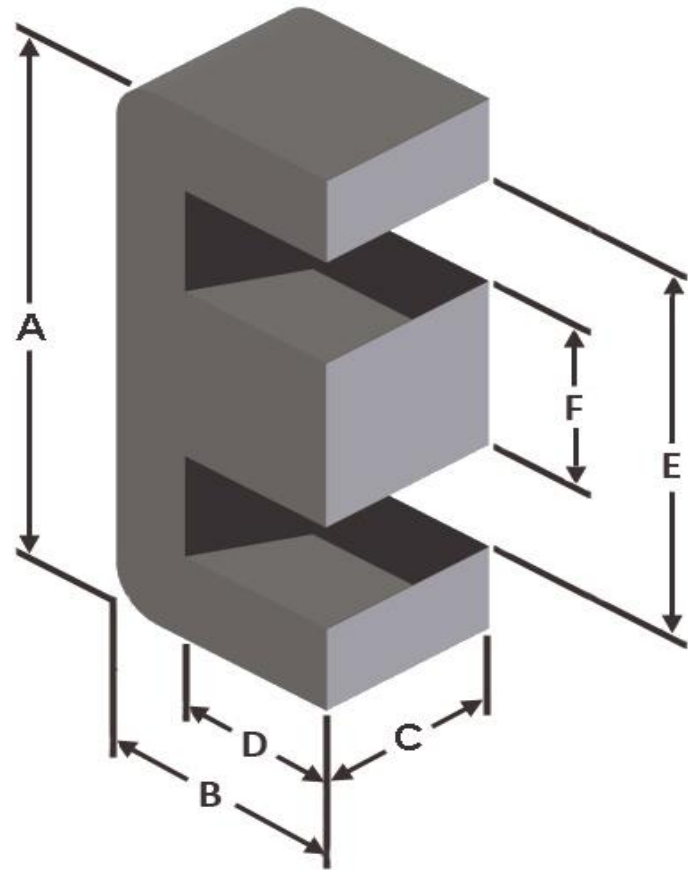




**Part Number:** **E99-26**

Revision 20160713 - Generated 2016-Aug-15



<b>A</b>	25.40 ± 0.25 mm	1.000 ± 0.010 in
<b>B</b>	12.70 ± 0.13 mm	0.500 ± 0.005 in
<b>C</b>	7.29 ± 0.13 mm	0.287 ± 0.005 in
<b>D</b>	8.76 mm (nom.)	0.345 in (nom.)
<b>E</b>	17.65 mm (nom.)	0.695 in (nom.)
<b>F</b>	7.29 ± 0.13 mm	0.287 ± 0.005 in
<b>Mass</b>	(approximate)	12 grams/half
<b>Magnetic Dimensions</b>	A <sub>e</sub> - Eff. Mag. Cross Section	0.548 cm <sup>2</sup>
	L <sub>e</sub> - Eff. Mag. Path Length	6.08 cm
	V <sub>e</sub> - Eff. Core Volume	3.38 cm <sup>3</sup>
	WA - Min. Eff. Window Area	0.897 cm <sup>2</sup>
	sa - Surface Area	24.0 cm <sup>2</sup>
	mlt - mean length per turn	4.99 cm
	<b>Inductance</b>	μ <sub>i</sub> (reference)
	A <sub>L</sub> value (nominal)	96 nH/N <sup>2</sup>
	Test Winding	N=100, #22 AWG
	Frequency	10 kHz
	Voltage on Agilent 4284A	0.24 V
	A <sub>L</sub> tolerance	±10%
<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+09, b=1.10E+08, c=1.90E+06, d=1.90E-13	
	B <sub>pk</sub>	140 G
	frequency	100 kHz
	Core Loss (nominal)	83 mW/cm <sup>3</sup>
	Core Loss (maximum)	95 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=1.00E-02, b=9.70E-06, c=1.72, d=0.00	
	H <sub>DC</sub>	50 Oe
	Percent Initial Perm(nom.)	55.2%
	Percent Initial Perm(min.)	47.4%
<b>Coating/Pkg</b>	Coating Type:	None
	Voltage Breakdown (min.)	N/A
	Limit	N/A
	Package Quantity	1,500 Halves/Box

<b>Winding Table</b>	<b>Wire Size</b>	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
	<b>Full Winding</b>	Turns	18	28	43	66	103	159	246	382	590	914	1,414
		Rdc(Ω)	7.4 m	18.4 m	44.9 m	109.5 m	271.9 m	667.5 m	1.6	4.1	10.0	24.5	60.4

