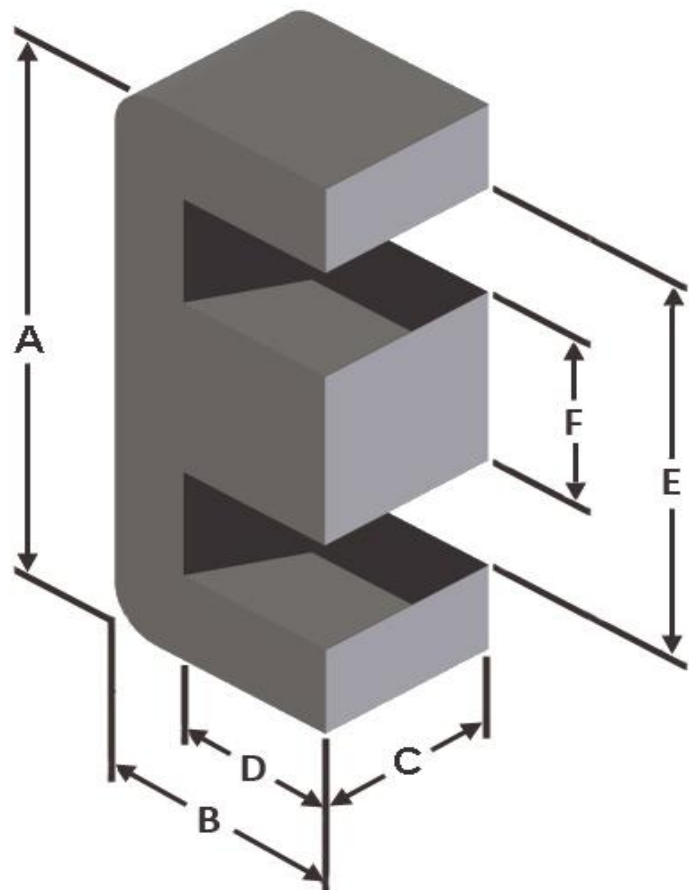




Part Number:

E305-60A

Revision 20190524 - Generated 2019-May-30



A	77.50 ± 0.76 mm	3.051 ± 0.030 in
B	38.76 ± 0.38 mm	1.526 ± 0.015 in
C	31.60 ± 0.38 mm	1.244 ± 0.015 in
D	26.90 mm (nom.)	1.059 in (nom.)
E	53.80 mm (nom.)	2.118 in (nom.)
F	23.70 ± 0.38 mm	0.933 ± 0.015 in
Mass	(approximate)	420 grams/half
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	7.49 cm ²
	L _e - Eff. Mag. Path Length	18.5 cm
	V _e - Eff. Core Volume	139 cm ³
	WA - Min. Eff. Window Area	7.99 cm ²
	sa - Surface Area	250 cm ²
	mlt - mean length per turn	17.1 cm
Inductance	μ _i (reference)	55
	A _L value (nominal)	280 nH/N ²
	Test Winding	N=100, #16 AWG
	Frequency	10 kHz
	Voltage on Agilent 4284A	3.3 V
	A _L tolerance	±10%
Core Loss	$\text{Core Loss(mW/cm}^3\text{)} = \frac{f}{\frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}}} + d \cdot B_{pk}^2 \cdot f^2$	
	where B_{pk} expressed in gauss, f expressed in hertz, and: $a=5.30E+08$, $b=1.40E+08$, $c=1.20E+06$, $d=2.70E-14$	
	B _{pk}	140 G
	frequency	100 kHz
	Core Loss (nominal)	52 mW/cm ³
	Core Loss (maximum)	59 mW/cm ³
	DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$
where H expressed in oersteds, and: $a=1.00E-02$, $b=1.94E-05$, $c=1.36$, $d=0.00$		
H _{DC}		100 Oe
Percent Initial Perm(nom.)		49.3%
Percent Initial Perm(min.)		43.2%
Coating/Pkg	Coating Type:	None, Brown/Black Stripes
	Voltage Breakdown (min.)	N/A
	Limit	N/A
	Package Quantity	36 Halves/Box

