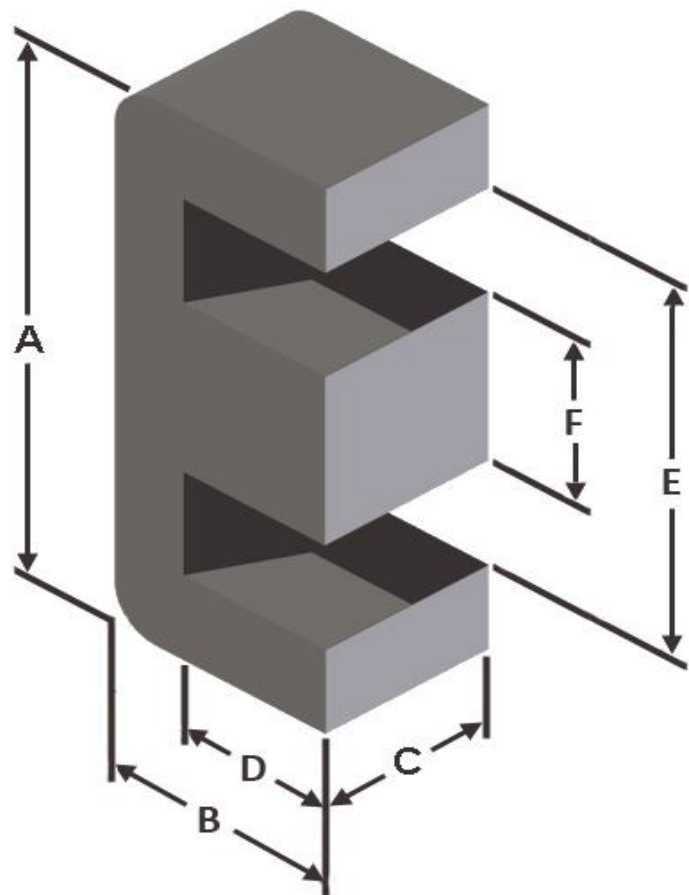




Part Number:

E610-63

Revision 20190524 - Generated 2019-May-30



A	154.99 ± 1.02 mm	6.102 ± 0.040 in
B	77.50 ± 0.51 mm	3.051 ± 0.020 in
C	47.40 ± 0.64 mm	1.866 ± 0.025 in
D	53.80 mm (nom.)	2.118 in (nom.)
E	107.59 mm (nom.)	4.236 in (nom.)
F	47.40 ± 0.64 mm	1.866 ± 0.025 in
Mass	(approximate)	2,450 grams/half
Magnetic Dimensions	A _e - Eff. Mag. Cross Section	22.5 cm ²
	L _e - Eff. Mag. Path Length	37 cm
	V _e - Eff. Core Volume	832 cm ³
	WA - Min. Eff. Window Area	32.0 cm ²
	sa - Surface Area	904 cm ²
	mlt - mean length per turn	31.0 cm
Inductance	μ _i (reference)	35
	A _L value (nominal)	314 nH/N ²
	Test Winding	N=100, #10 AWG
	Frequency	1 kHz
	Voltage on Agilent 4284A	1.00 V
	A _L tolerance	±10%
Core Loss	$\text{Core Loss(mW/cm}^3\text{)} = \frac{f}{\frac{a}{Bpk^3} + \frac{b}{Bpk^{2.3}} + \frac{c}{Bpk^{1.65}}} + d \cdot Bpk^2 \cdot f^2$	
	where B_{pk} expressed in gauss, f expressed in hertz, and: $a=9.94E+08$, $b=2.56E+08$, $c=1.00E+04$, $d=3.34E-15$	
	B _{pk}	140 G
	frequency	100 kHz
	Core Loss (nominal)	31 mW/cm ³
	Core Loss (maximum)	35 mW/cm ³
DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$	
	where H expressed in oersteds, and: $a=1.00E-02$, $b=1.29E-05$, $c=1.24$, $d=0.00$	
	H _{DC}	200 Oe
	Percent Initial Perm(nom.)	51.7%
	Percent Initial Perm(min.)	46.1%
Coating/Pkg	Coating Type:	None, Brown/Beige Stripes
	Voltage Breakdown (min.)	N/A
	Limit	N/A
	Package Quantity	6 Halves/Box

