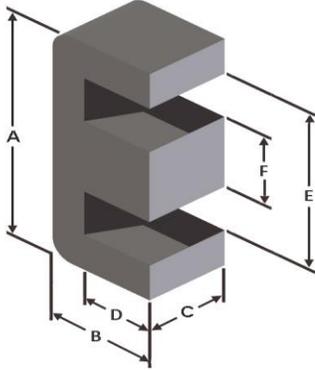




Part Number: EFS-1205232-060

Revision: 2026-Mar-09



A	120.00 ± 1.80 mm	4.724 ± 0.071 in
B	52.00 ± 0.79 mm	2.047 ± 0.031 in
C	31.50 ± 0.64 mm	1.240 ± 0.025 in
D	31.50 mm (min.)	1.240 in (min.)
E	80.40 mm (min.)	3.165 in (min.)
F	39.60 ± 0.71 mm	1.559 ± 0.028 in

Mass	(approximate)	990 grams/half
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Magnetic Dimensions	A _e - Eff. Mag. Cross Section	12.6 cm ²
	L _e - Eff. Mag. Path Length	23 cm
	V _e - Eff. Core Volume	290 cm ³
	WA - Min. Eff. Window Area	12.6 cm ²
	sa - Surface Area	449 cm ²
	mlt - mean length per turn	22.4 cm

Inductance	μ _i (reference)	60
	A _i value (nominal)	482 nH/N ²
	Test Winding	N=100, #14 AWG
	Frequency	10 kHz
	Voltage on Agilent 4284A	5.6 V
	A _i tolerance	±8%

Core Loss	$\text{Core Loss (mW/cm}^3\text{)} = \frac{a}{B_{pk}^3} + \frac{b}{B_{pk}^{2.3}} + \frac{c}{B_{pk}^{1.65}} + d \cdot B_{pk}^2 \cdot f^2$	
	where B _{pk} expressed in gauss, f expressed in hertz, and: a=1.0000E+06, b=5.8898E+08, c=2.1629E+06, d=2.4288E-14	
	B _{pk}	1000 G
	frequency	50 k Hz
	Core Loss (nominal)	569 mW/cm ³
	Core Loss (maximum)	683 mW/cm ³

DC Saturation	$\% \mu_i = \frac{1}{a + b \cdot H^c} + d$	
	where H expressed in oersteds, and: a=1.0000E-02, b=1.6950E-06, c=1.7025, d=0.0000	
	H _{DC}	150 Oe
	Percent Initial Perm(nom.)	53.8 %
	Percent Initial Perm(min.)	46.2 %

Coating/Pkg	Coating Type:	None
	Voltage Breakdown (min.)	N/A
	Limit	N/A
	Package Quantity	12 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	68	105	163	252	391	605	936	1,449	2,242	3,470	5,371
		Rdc(Ω)	31.3 m	76.8 m	189.7 m	466.5 m	1.2	2.8	7.0	17.2	42.2	103.9	255.9

Special Spec: Preliminary DC Bias.

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.micrometals.com.

