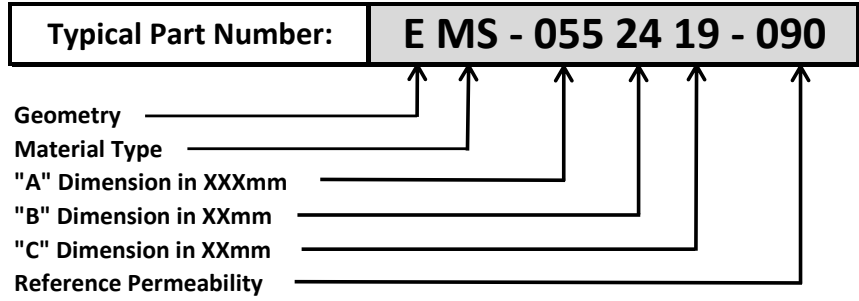
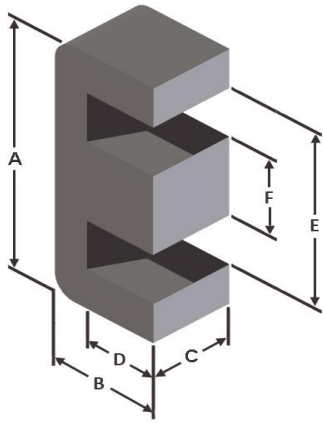


# 54.9 mm/2.161 in. E-Core



## Physical Dimensions

<b>A</b>	54.9 ± 0.81 mm	2.161 ± 0.032 in
<b>B</b>	23.65 ± 0.41 mm	0.931 ± 0.016 in
<b>C</b>	18.8 ± 0.41 mm	0.740 ± 0.016 in
<b>D</b>	14.5 mm (min.)	0.571 in (min.)
<b>E</b>	37.5 mm (min.)	1.476 in (min.)
<b>F</b>	16.8 ± 0.33 mm	0.661 ± 0.013 in

## Magnetic Dimensions

<b>Ae</b>	Effective Magnetic Cross Section	3.15 cm <sup>2</sup>
<b>Le</b>	Effective Magnetic Path Length	10.7 cm
<b>Ve</b>	Effective Core Volume	33.7 cm <sup>3</sup>
<b>WA</b>	Minimum Effective Window Area	2.95 cm <sup>2</sup>
<b>SA</b>	Surface Area	104 cm <sup>2</sup>
<b>MLT</b>	Mean Length Per Turn	11.3 cm

## Permeability

## Part Numbers

Reference Permeability	A <sub>L</sub> Value (nH/N <sup>2</sup> )	MS Sendust	FluxSan™ Silicon Iron
14μ	N/A		
26μ	117	EMS-0552419-026	EFS-0552419-026
40μ	N/A		
60μ	227	EMS-0552419-060	EFS-0552419-060
75μ	N/A		
90μ	370	EMS-0552419-090	
<b>Approximate Unit Weight:</b>		93 g/half	110 g/half

## Test Conditions

<b>Winding</b>	N=100, #18 AWG
<b>Frequency</b>	10 kHz
<b>Voltage</b>	1.4 V
<b>A<sub>L</sub> Tolerance</b>	±8%

## Coating/Packaging Information

<b>Coating Type</b>	None
<b>Voltage Breakdown</b>	N/A
<b>Limit</b>	N/A
<b>Package Quantity</b>	96 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
<b>Full Winding</b>	Turns	16	25	38	59	91	141	219	339	524	812	1,256
	Rdc(Ω)	3.7 m	9.2 m	22.3 m	54.9 m	134.8 m	332.1 m	820.4 m	2.0	5.0	12.2	30.1