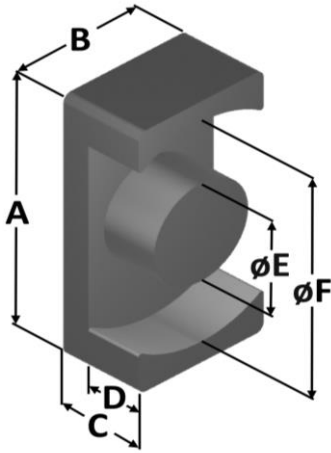


# 20.5 mm/0.807 in. EQ-Core



**Typical Part Number:** EQ FS - 205 140 096 - 026

Geometry → EQ  
 Material Type (FS, HF, MS) → FS  
 "A" Dimension in XX.Xmm → 205  
 "B" Dimension in XX.Xmm → 140  
 "C" Dimension in XX.Xmm → 096  
 Reference Permeability → 026

## Physical Dimensions

<b>A</b>	20.5 ± 0.30 mm	0.807 ± 0.012 in
<b>B</b>	14 ± 0.20 mm	0.551 ± 0.008 in
<b>C</b>	9.6 ± 0.20 mm	0.378 ± 0.008 in
<b>D</b>	6.9 mm (min.)	0.272 in (min.)
<b>E</b>	8.8 ± 0.20 mm	0.346 ± 0.008 in
<b>F</b>	17.8 mm (min.)	0.701 in (min.)

## Magnetic Dimensions

<b>Ae</b>	Effective Magnetic Cross Section	0.608 cm <sup>2</sup>
<b>Le</b>	Effective Magnetic Path Length	5.12 cm
<b>Ve</b>	Effective Core Volume	3.11 cm <sup>3</sup>
<b>WA</b>	Minimum Effective Window Area	0.607 cm <sup>2</sup>
<b>SA</b>	Surface Area	17.9 cm <sup>2</sup>
<b>MLT</b>	Mean Length Per Turn	4.18 cm

## Permeability

## Part Numbers

Reference Permeability	A <sub>L</sub> Value (nH/N <sup>2</sup> )	MS Sendust	Hi-Flux™ Nickel Iron	FluxSan™ Silicon Iron
26μ	39	EQMS-205140096-026	EQHF-205140096-026	EQFS-205140096-026
40μ	59	EQMS-205140096-040	EQHF-205140096-040	EQFS-205140096-040
60μ	89	EQMS-205140096-060	EQHF-205140096-060	EQFS-205140096-060
Approximate Unit Weight:		8.1 g/half	10 g/half	9.8 g/half

## Test Conditions

<b>Winding</b>	N=25, #24 AWG
<b>Frequency</b>	10 kHz
<b>Voltage</b>	0.067 V
<b>A<sub>L</sub> Tolerance</b>	±12%

## Coating/Packaging Information

<b>Coating Type</b>	None
<b>Voltage Breakdown</b>	N/A
<b>Limit</b>	N/A
<b>Package Quantity</b>	1,040 Pcs/Box

## Winding Table

Wire Size	AWG	16	18	20	22	24	26	28	30	32	34	36
	mm	1.250	1.000	0.800	0.630	0.500	0.400	0.315	0.250	0.200	0.160	0.125
<b>Full Winding</b>	Turns	19	29	45	70	108	167	258	400	618	957	1,481
	Rdc(Ω)	10.4 m	25.3 m	62.6 m	154.8 m	379.7 m	933.9 m	2.3	5.7	13.9	34.2	84.3