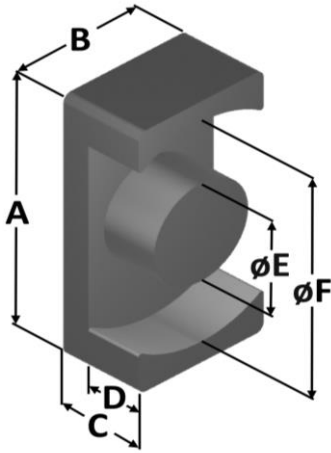


20.5 mm/0.807 in. EQ-Core



Typical Part Number: EQ FS - 205 140 055 - 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 → 055
 Reference Permeability → 026

Physical Dimensions

A	20.5 ± 0.30 mm	0.807 ± 0.012 in
B	14 ± 0.20 mm	0.551 ± 0.008 in
C	5.5 ± 0.20 mm	0.217 ± 0.008 in
D	2.8 mm (min.)	0.110 in (min.)
E	8.8 ± 0.20 mm	0.346 ± 0.008 in
F	17.8 mm (min.)	0.701 in (min.)

Magnetic Dimensions

Ae	Effective Magnetic Cross Section	0.608 cm ²
Le	Effective Magnetic Path Length	3.48 cm
Ve	Effective Core Volume	2.12 cm ³
WA	Minimum Effective Window Area	0.246 cm ²
SA	Surface Area	13.2 cm ²
MLT	Mean Length Per Turn	4.18 cm

Permeability

Part Numbers

Reference Permeability	A _l Value (nH/N ²)	MS Sendust	Hi-Flux™ Nickel Iron	FluxSan™ Silicon Iron
26μ	57	EQMS-205140055-026	EQHF-205140055-026	EQFS-205140055-026
40μ	88	EQMS-205140055-040	EQHF-205140055-040	EQFS-205140055-040
60μ	132	EQMS-205140055-060	EQHF-205140055-060	EQFS-205140055-060
Approximate Unit Weight:		5.5 g/half	7.1 g/half	6.7 g/half

Test Conditions

Winding	N=10, #26 AWG
Frequency	10 kHz
Voltage	0.027 V
A_l Tolerance	±12%

Coating/Packaging Information

Coating Type	None
Voltage Breakdown	N/A
Limit	N/A
Package Quantity	1,820 Pcs/Box

Winding Table

Wire Size	AWG	20	22	24	26	28	30	32	34	36	38	40
	mm	0.800	0.630	0.500	0.400	0.315	0.250	0.200	0.160	0.125	0.100	0.080
Full Winding	Turns	18	28	44	68	105	162	251	388	601	930	1,440
	Rdc(Ω)	25.0 m	61.9 m	154.7 m	380.3 m	933.8 m	2.3	5.6	13.9	34.2	84.2	207.2