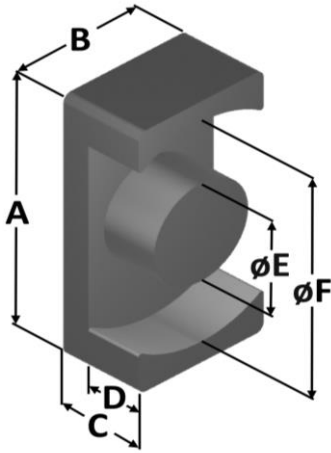


20.5 mm/0.807 in. EQ-Core



Typical Part Number: EQ FS - 205 140 104 - 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 → 104
 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	10.4 ± 0.20 mm	0.409 ± 0.008 in
D	7.7 mm (min.)	0.303 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	5.44 cm
Ve	Effective Core Volume	3.31 cm ³
WA	Minimum Effective Window Area	0.677 cm ²
SA	Surface Area	18.8 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	36	EQMS-205140104-026	EQHF-205140104-026	EQFS-205140104-026
40μ	56	EQMS-205140104-040	EQHF-205140104-040	EQFS-205140104-040
60μ	84	EQMS-205140104-060	EQHF-205140104-060	EQFS-205140104-060
Approximate Unit Weight:		8.6 g/half	11 g/half	10 g/half

Test Conditions

Winding	N=25, #24 AWG
Frequency	10 kHz
Voltage	0.067 V
A_l Tolerance	±12%

Coating/Packaging Information

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

Winding Table

Wire Size	AWG	14	16	18	20	22	24	26	28	30	32	34
	mm	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315	0.250	0.200	0.160
Full Winding	Turns	14	21	32	50	78	120	186	288	446	690	1,068
	Rdc(Ω)	4.8 m	11.5 m	28.0 m	69.5 m	172.5 m	421.9 m	1.0	2.6	6.3	15.5	38.2