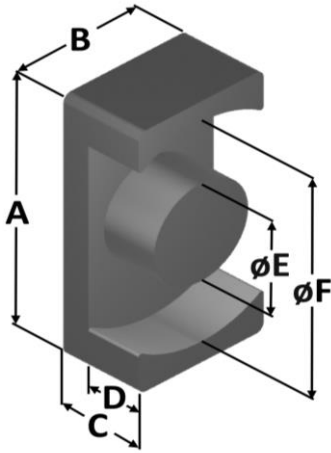


50.0 mm/1.969 in. EQ-Core



Typical Part Number: EQ FS - 500 320 150 - 026

Geometry ———— ↑ ↑ ↑ ↑ ↑ ↑

Material Type (FS, HF, MS) ———— ↑

"A" Dimension in XX.Xmm ———— ↑

"B" Dimension in XX.Xmm ———— ↑

"C" Dimension in XX.Xmm ———— ↑

Reference Permeability ———— ↑

Physical Dimensions

A	50 ± 0.61 mm	1.969 ± 0.024 in
B	32 ± 0.41 mm	1.260 ± 0.016 in
C	15 ± 0.41 mm	0.591 ± 0.016 in
D	9.1 mm (min.)	0.358 in (min.)
E	20 ± 0.30 mm	0.787 ± 0.012 in
F	43.5 mm (min.)	1.713 in (min.)

Magnetic Dimensions

Ae	Effective Magnetic Cross Section	3.14 cm ²
Le	Effective Magnetic Path Length	9.34 cm
Ve	Effective Core Volume	29.3 cm ³
WA	Minimum Effective Window Area	2.11 cm ²
SA	Surface Area	81.8 cm ²
MLT	Mean Length Per Turn	9.97 cm

Permeability

Part Numbers

Reference Permeability	A _l Value (nH/N ²)	MS Sendust	Hi-Flux™ Nickel Iron	FluxSan™ Silicon Iron
26μ	110	EQMS-500320150-026	EQHF-500320150-026	EQFS-500320150-026
40μ	169	EQMS-500320150-040	EQHF-500320150-040	EQFS-500320150-040
60μ	253	EQMS-500320150-060	EQHF-500320150-060	EQFS-500320150-060
Approximate Unit Weight:		76 g/half	98 g/half	92 g/half

Test Conditions

Winding	N=15, #18 AWG
Frequency	10 kHz
Voltage	0.21 V
A_l Tolerance	±12%

Coating/Packaging Information

Coating Type	None
Voltage Breakdown	N/A
Limit	N/A
Package Quantity	120 Pcs/Box

Winding Table

Wire Size	AWG	10	12	14	16	18	20	22	24	26	28	30
	mm	2.500	2.000	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315	0.250
Full Winding	Turns	18	27	42	65	101	156	242	375	580	898	1,389
	Rdc(Ω)	5.9 m	14.0 m	34.7 m	85.3 m	210.8 m	517.7 m	1.3	3.1	7.7	19.1	46.9