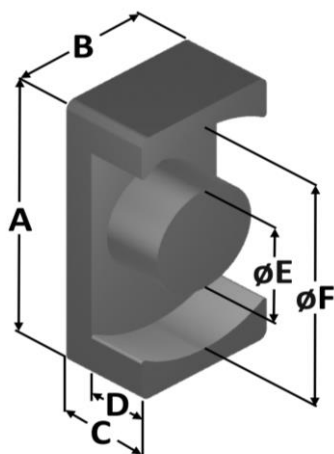


41.5 mm/1.634 in. EQ-Core



Typical Part Number: EQ FS - 415 280 100 - 026

Geometry → EQ
 Material Type (FS, HF, MS) → FS
 "A" Dimension in XX.Xmm → 415
 "B" Dimension in XX.Xmm → 280
 "C" Dimension in XX.Xmm → 100
 Reference Permeability → 026

Physical Dimensions

A	41.5 ± 0.51 mm	1.634 ± 0.020 in
B	28 ± 0.41 mm	1.102 ± 0.016 in
C	10 ± 0.30 mm	0.394 ± 0.012 in
D	5.2 mm (min.)	0.205 in (min.)
E	14.9 ± 0.20 mm	0.587 ± 0.008 in
F	36.1 mm (min.)	1.421 in (min.)

Magnetic Dimensions

Ae	Effective Magnetic Cross Section	2.00 cm ²
Le	Effective Magnetic Path Length	7.56 cm
Ve	Effective Core Volume	15.1 cm ³
WA	Minimum Effective Window Area	1.09 cm ²
SA	Surface Area	51.2 cm ²
MLT	Mean Length Per Turn	8.01 cm

Permeability

Part Numbers

Reference Permeability	A _L Value (nH/N ²)	MS Sendust	Hi-Flux™ Nickel Iron	FluxSan™ Silicon Iron
26μ	86	EQMS-415280100-026	EQHF-415280100-026	EQFS-415280100-026
40μ	133	EQMS-415280100-040	EQHF-415280100-040	EQFS-415280100-040
60μ	199	EQMS-415280100-060	EQHF-415280100-060	EQFS-415280100-060
Approximate Unit Weight:		39 g/half	51 g/half	47 g/half

Test Conditions

Winding	N=20, #26 AWG
Frequency	10 kHz
Voltage	0.18 V
A_L Tolerance	±12%

Coating/Packaging Information

Coating Type	None
Voltage Breakdown	N/A
Limit	N/A
Package Quantity	280 Pcs/Box

Winding Table

Wire Size	AWG	12	14	16	18	20	22	24	26	28	30	32
	mm	2.000	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315	0.250	0.200
Full Winding	Turns	14	22	34	52	81	125	194	300	464	719	1,112
	Rdc(Ω)	5.8 m	14.6 m	35.8 m	87.1 m	215.9 m	529.9 m	1.3	3.2	7.9	19.5	48.0