



Physical Dimensions

OD	Bare Core Nominal	33.02 mm	1.300 in
	Coated Core (max)	33.83 mm	1.332 in
ID	Bare Core Nominal	19.94 mm	0.785 in
	Coated Core (min)	19.3 mm	0.760 in
Ht	Bare Core Nominal	10.67 mm	0.420 in
	Coated Core (max)	11.61 mm	0.457 in

Magnetic Dimensions

Ae	Effective Magnetic Cross Section	0.672 cm ²
Le	Effective Magnetic Path Length	8.15 cm
Ve	Effective Core Volume	5.48 cm ³
WA	Minimum Effective Window Area	2.93 cm ²
SA	Surface Area	40.1 cm ²
MLT	Mean Length Per Turn	4.74 cm

Permeability

Part Numbers

Reference Permeability	A _L Value (nH/N ²)	Super-MSS™ Sendust	MPP Molypermalloy	FluxSan™ Silicon Iron	Hi-Flux™ Nickel Iron	Optilloy™ Optimized Alloy
14μ	14	MS-130014-2	MP-130014-2	FS-130014-2	HF-130014-2	OP-130014-2
26μ	28	MS-130026-2	MP-130026-2	FS-130026-2	HF-130026-2	OP-130026-2
40μ	41	MS-130040-2		FS-130040-2		OP-130040-2
60μ	61	MS-130060-2	MP-130060-2	FS-130060-2	HF-130060-2	OP-130060-2
75μ	76	MS-130075-2		FS-130075-2		OP-130075-2
90μ	91	MS-130090-2		FS-130090-2		OP-130090-2
125μ	127	MS-130125-2	MP-130125-2		HF-130125-2	OP-130125-2
147μ	150		MP-130147-2		HF-130147-2	
160μ	163		MP-130160-2		HF-130160-2	
173μ	176		MP-130173-2			
205μ	208		MP-130205-2			
250μ	254					
Approx. Unit Weight:		32 g	41 g	36 g	38 g	36 g

Test Conditions

Winding	N=70, #22 AWG
Frequency	10 kHz
Voltage	0.21 V
A_L Tolerance	±8%

Coating/Packaging Information

Coating Type	Blue Epoxy
Voltage Breakdown	1000 Vrms
Limit	0.1 mA, 5 s
Package Quantity	576 Pcs/Box (448: MP, HF, OP)

Winding Table

Wire Size	AWG	8	10	12	14	16	18	20	22	24	26	28
	mm	3.150	2.500	2.000	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315
Single Layer	Turns	14	18	22	29	36	46	58	73	91	114	142
	Rdc(Ω)	1.4 m	2.8 m	5.4 m	11.4 m	22.4 m	45.6 m	91.5 m	183.1 m	363.0 m	723.2 m	1.4
Full Winding	Turns	15	24	37	57	88	136	211	326	504	780	1,208
	Rdc(Ω)	1.5 m	3.7 m	9.1 m	22.3 m	54.9 m	134.9 m	332.8 m	817.6 m	2.0	4.9	12.2