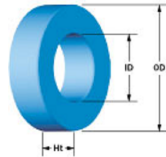


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# SHAPES/SIZES AVAILABLE

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OD	Bare Core Nominal	20.32 mm	0.800 in
	Coated Core (max)	21.08 mm	0.830 in
ID	Bare Core Nominal	12.70 mm	0.500 in
	Coated Core (max)	12.07 mm	0.475 in
Ht	Bare Core Nominal	6.35 mm	0.250 in
	Coated Core (max)	7.11 mm	0.280 in

**Magnetic Dimensions**

<b>Ae</b>	Effective Magnetic Cross Section	0.226 cm <sup>2</sup>
<b>Le</b>	Effective Magnetic Path Length	5.09 cm
<b>Ve</b>	Effective Core Volume	1.15 cm <sup>3</sup>
<b>WA</b>	Minimum Effective Window Area	1.14 cm <sup>2</sup>
<b>SA</b>	Surface Area	15.5 cm <sup>2</sup>
<b>MLT</b>	Mean Length Per Turn	2.93 cm

**Permeability****Part Numbers**

Reference Permeability	A <sub>L</sub> Value (nH/N <sup>2</sup> )	Super-MSS™ Sendust	MPP Molypermalloy	FluxSan™ Silicon Iron	Hi-Flux™ Nickle Iron	Optilloy™ Optimized Alloy
14μ	7.8	MS-080014-2	MP-080014-2	FS-080014-2	HF-080014-2	OP-080014-2
26μ	14	MS-080026-2	MP-080026-2	FS-080026-2	HF-080026-2	OP-080026-2
40μ	21	MS-080040-2	MP-080060-2	FS-080040-2	HF-080060-2	OP-080040-2
60μ	32	MS-080060-2		FS-080060-2		OP-080060-2
75μ	41	MS-080075-2		FS-080075-2		OP-080075-2
90μ	49	MS-080090-2		FS-080090-2		OP-080090-2
125μ	68	MS-080125-2	MP-080125-2		HF-080125-2	OP-080125-2
147μ	81		MP-080147-2		HF-080147-2	
160μ	87		MP-080160-2		HF-080160-2	
173μ	96		MP-080173-2			
205μ	113		MP-080205-2			
Approx Unit Weight:		6.6 g	8.6 g	7.8 g	7.9 g	7.6 g

**Test Conditions**

Winding	N=90, #28 AWG
Frequency	10 kHz
Voltage	0.090 V
A <sub>L</sub> Tolerance	±8%

**Coating/Packaging Information**

Coating Type	Blue Epoxy
Voltage Breakdown	1000 Vrms
Unit	0.1 mA, 5 s
Package Quantity	1,800 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
Single Layer	Turns	10	13	17	22	28	35	44	56	70	88	110
	Rdc(Ω)	1.0 m	2.0 m	4.1 m	8.5 m	17.1 m	34.1 m	68.1 m	137.9 m	274.2 m	548.2 m	1.1
Full Winding	Turns	9	14	22	34	53	82	127	197	305	472	731
	Rdc(Ω)	0.9 m	2.1 m	5.3 m	13.1 m	32.4 m	79.8 m	196.7 m	485.2 m	1.2	2.9	7.2

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