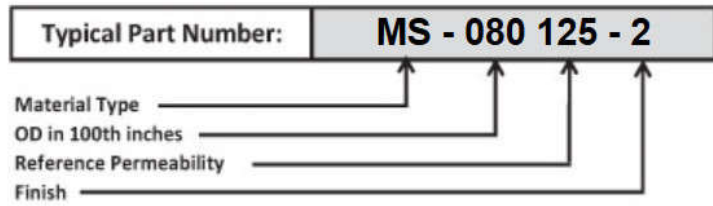
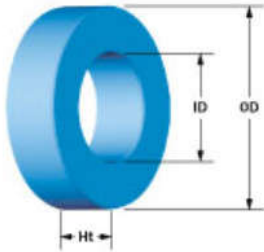


# Спецификация магнитных сердечников Sendust MS-080xxx-2

(Информация с сайта <http://micrometalsarnoldpowdercores.com>)



## Physical Dimensions

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 (min)	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

Ae	Effective Magnetic Cross Section	0.22 cm <sup>2</sup>
Le	Effective Magnetic Path Length	5.09 cm
Ve	Effective Core Volume	1.15 cm <sup>3</sup>
WA	Minimum Effective Window Area	1.14 cm <sup>2</sup>
SA	Surface Area	15.5 cm <sup>2</sup>
MLT	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		FS-080040-2		OP-080040-2
60μ	32	MS-080060-2	MP-080060-2	FS-080060-2	HF-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	MS-080147-2	MP-080147-2		HF-080147-2	
160μ	87	MS-080160-2	MP-080160-2		HF-080160-2	
173μ	96		MP-080173-2			
205μ	113		MP-080205-2			
<b>Approx Unit Weight:</b>		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	0.088 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