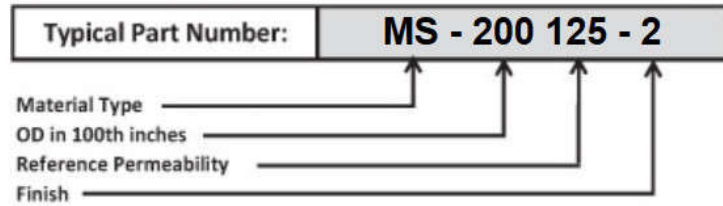
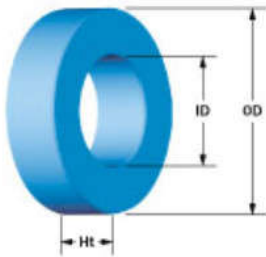


# Спецификация магнитных сердечников Sendust MS-200xxx-2

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



### Physical Dimensions

OD	Bare Core Nominal	50.80 mm	2.000 in
	Coated Core (max)	51.69 mm	2.035 in
ID	Bare Core Nominal	31.75 mm	1.250 in
	Coated Core (min)	30.94 mm	1.218 in
Ht	Bare Core Nominal	13.46 mm	0.530 in
	Coated Core (max)	14.35 mm	0.565 in

### Magnetic Dimensions

<b>Ae</b>	Effective Magnetic Cross Section	1.25 cm <sup>2</sup>
<b>Le</b>	Effective Magnetic Path Length	12.7 cm
<b>Ve</b>	Effective Core Volume	15.9 cm <sup>3</sup>
<b>WA</b>	Minimum Effective Window Area	7.52 cm <sup>2</sup>
<b>SA</b>	Surface Area	88.2 cm <sup>2</sup>
<b>MLT</b>	Mean Length Per Turn	6.49 cm

### Permeability

### Part Numbers

Reference Permeability	A <sub>L</sub> Value (nH/N <sup>2</sup> )	MS Sendust	SH High Freq. Sendust	MPP Molypermalloy	FluxSan™ Silicon Iron	Hi-Flux™ Nickle Iron	Optilloy™ Optimized Alloy
14μ	17	MS-200014-2		MP-200014-2	FS-200014-2	HF-200014-2	OP-200014-2
26μ	32	MS-200026-2	SH-200026-2	MP-200026-2	FS-200026-2	HF-200026-2	OP-200026-2
40μ	49	MS-200040-2			FS-200040-2		OP-200040-2
60μ	73	MS-200060-2	SH-200060-2	MP-200060-2	FS-200060-2	HF-200060-2	OP-200060-2
75μ	91	MS-200075-2			FS-200075-2		OP-200075-2
90μ	109	MS-200090-2			FS-200090-2		OP-200090-2
125μ	152	MS-200125-2	SH-200125-2	MP-200125-2		HF-200125-2	OP-200125-2
147μ	179	MS-200147-2		MP-200147-2		HF-200147-2	
160μ	195	MS-200160-2		MP-200160-2		HF-200160-2	
173μ	210			MP-200173-2			
205μ	249			MP-200205-2			
<b>Approx Unit Weight:</b>		92 g	89 g	118 g	108 g	109 g	106 g

### Test Conditions

<b>Winding</b>	N=70, #18 AWG
<b>Frequency</b>	10 kHz
<b>Voltage</b>	0.39 V
<b>A<sub>L</sub> Tolerance</b>	±8%

### Coating/Packaging Information

<b>Coating Type</b>	Blue Epoxy
<b>Voltage Breakdown</b>	1000 Vrms
<b>Unit</b>	0.1 mA, 5 s
<b>Package Quantity</b>	125 Pcs/Box

### 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
Single Layer	Turns	23	30	38	48	60	75	94	118	148	184	230
	Rdc(Ω)	3.1 m	6.4 m	12.8 m	25.8 m	51.2 m	101.9 m	203.0 m	405.4 m	808.6 m	1.6	3.2
Full Winding	Turns	39	61	94	146	226	350	541	837	1,296	2,006	3,104
	Rdc(Ω)	5.2 m	12.9 m	31.7 m	78.4 m	193.0 m	475.3 m	1.2	2.9	7.1	17.4	42.9