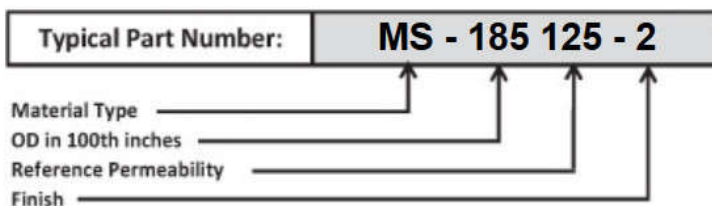
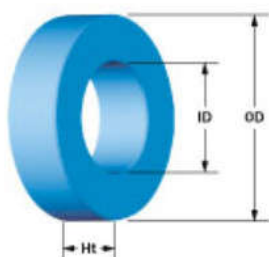


# Спецификация магнитных сердечников Sendust MS-185xxx-2

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



## Physical Dimensions

OD	Bare Core Nominal	46.74 mm	1.840 in
	Coated Core (max)	47.63 mm	1.875 in
ID	Bare Core Nominal	28.70 mm	1.130 in
	Coated Core (min)	27.89 mm	1.098 in
Ht	Bare Core Nominal	15.24 mm	0.600 in
	Coated Core (max)	16.13 mm	0.635 in

## Magnetic Dimensions

<b>Ae</b>	Effective Magnetic Cross Section	1.34 cm <sup>2</sup>
<b>Le</b>	Effective Magnetic Path Length	11.6 cm
<b>Ve</b>	Effective Core Volume	15.6 cm <sup>3</sup>
<b>WA</b>	Minimum Effective Window Area	6.11 cm <sup>2</sup>
<b>SA</b>	Surface Area	79.6 cm <sup>2</sup>
<b>MLT</b>	Mean Length Per Turn	6.59 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™ Nickel Iron	Optilloy™ Optimized Alloy
14μ	20	MS-185014-2		MP-185014-2	FS-185014-2	HF-185014-2	OP-185014-2
26μ	37	MS-185026-2	SH-185026-2	MP-185026-2	FS-185026-2	HF-185026-2	OP-185026-2
40μ	57	MS-185040-2			FS-185040-2		OP-185040-2
60μ	86	MS-185060-2	SH-185060-2	MP-185060-2	FS-185060-2	HF-185060-2	OP-185060-2
75μ	107	MS-185075-2			FS-185075-2		OP-185075-2
90μ	128	MS-185090-2			FS-185090-2		OP-185090-2
125μ	178	MS-185125-2	SH-185125-2	MP-185125-2		HF-185125-2	OP-185125-2
147μ	210	MS-185147-2		MP-185147-2		HF-185147-2	
160μ	228	MS-185160-2		MP-185160-2		HF-185160-2	
173μ	246			MP-185173-2			
205μ	292			MP-185205-2			
<b>Approx Unit Weight:</b>		90 g	87 g	116 g	106 g	107 g	104 g

## Test Conditions

<b>Winding</b>	N=80, #20 AWG
<b>Frequency</b>	10 kHz
<b>Voltage</b>	0.48 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	0.315
<b>Single Layer</b>	Turns	21	27	34	43	54	68	85	106	133	166	207
	Rdc(Ω)	2.8 m	5.8 m	11.7 m	23.5 m	46.8 m	93.8 m	186.5 m	369.9 m	738.1 m	1.5	2.9
<b>Full Winding</b>	Turns	32	49	77	119	184	284	440	680	1,053	1,630	2,523
	Rdc(Ω)	4.3 m	10.6 m	26.4 m	64.9 m	159.6 m	391.8 m	965.4 m	2.4	5.8	14.4	35.4