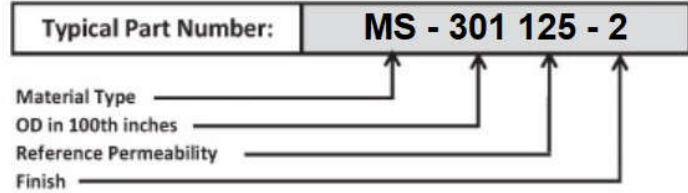
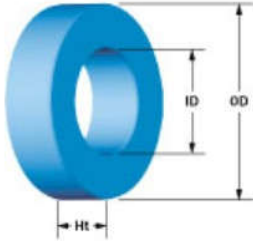


# Спецификация магнитных сердечников Molypermalloy MP-301xxx-2

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



## Physical Dimensions

		mm	in
OD	Bare Core Nominal	77.80	3.063
	Coated Core (max)	78.94	3.108
ID	Bare Core Nominal	49.23	1.938
	Coated Core (min)	47.96	1.888
Ht	Bare Core Nominal	15.88	0.625
	Coated Core (max)	17.15	0.675

## Magnetic Dimensions

<b>Ae</b>	Effective Magnetic Cross Section	2.22 cm <sup>2</sup>
<b>Le</b>	Effective Magnetic Path Length	19.6 cm
<b>Ve</b>	Effective Core Volume	43.5 cm <sup>3</sup>
<b>WA</b>	Minimum Effective Window Area	18.1 cm <sup>2</sup>
<b>SA</b>	Surface Area	193 cm <sup>2</sup>
<b>MLT</b>	Mean Length Per Turn	8.93 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	19.9	MS-301014-2		MP-301014-2	FS-301014-2	HF-301014-2	OP-301014-2
26μ	37	MS-301026-2	SH-301026-2	MP-301026-2	FS-301026-2	HF-301026-2	OP-301026-2
40μ	57	MS-301040-2			FS-301040-2		OP-301040-2
60μ	85	MS-301060-2	SH-301060-2	MP-301060-2	FS-301060-2	HF-301060-2	OP-301060-2
75μ	107	MS-301075-2			FS-301075-2		OP-301075-2
90μ	128	MS-301090-2			FS-301090-2		OP-301090-2
125μ	178	MS-301125-2	SH-301125-2	MP-301125-2		HF-301125-2	OP-301125-2
147μ	209	MS-301147-2		MP-301147-2		HF-301147-2	
160μ	228	MS-301160-2		MP-301160-2		HF-301160-2	
173μ	246			MP-301173-2			
205μ	284			MP-301205-2			
<b>Approx Unit Weight:</b>		251 g	243 g	324 g	296 g	299 g	289 g

## Test Conditions

<b>Winding</b>	N=120, #18 AWG
<b>Frequency</b>	10 kHz
<b>Voltage</b>	1.2 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>	36 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
Single Layer	Turns	38	48	60	75	95	118	148	185	230	287	358
	Rdc(Ω)	7.0 m	14.0 m	27.9 m	55.4 m	111.5 m	220.3 m	439.5 m	873.8 m	1.7	3.4	6.8
Full Winding	Turns	95	146	227	351	543	840	1,300	2,012	3,114	4,820	7,459
	Rdc(Ω)	17.4 m	42.6 m	105.4 m	259.1 m	637.6 m	1.6	3.9	9.5	23.4	57.6	141.7