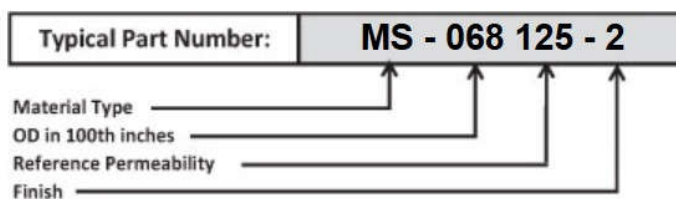
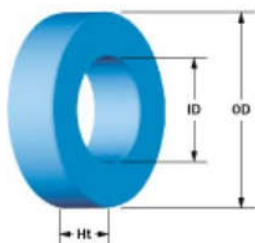


# Спецификация магнитных сердечников Molypermalloy MP-068xxx-2

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



## Physical Dimensions

OD	Bare Core Nominal	17.27 mm	0.680 in
	Coated Core (max)	18.03 mm	0.710 in
ID	Bare Core Nominal	9.65 mm	0.380 in
	Coated Core (min)	9.02 mm	0.355 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	0.232 cm <sup>2</sup>
<b>Le</b>	Effective Magnetic Path Length	4.14 cm
<b>Ve</b>	Effective Core Volume	0.961 cm <sup>3</sup>
<b>WA</b>	Minimum Effective Window Area	0.639 cm <sup>2</sup>
<b>SA</b>	Surface Area	11.7 cm <sup>2</sup>
<b>MLT</b>	Mean Length Per Turn	2.77 cm

## Permeability

## Part Numbers

Reference Permeability	A <sub>i</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	10	MS-068014-2		MP-068014-2	FS-068014-2	HF-068014-2	OP-068014-2
26μ	19	MS-068026-2	SH-068026-2	MP-068026-2	FS-068026-2	HF-068026-2	OP-068026-2
40μ	29	MS-068040-2			FS-068040-2		OP-068040-2
60μ	43	MS-068060-2	SH-068060-2	MP-068060-2	FS-068060-2	HF-068060-2	OP-068060-2
75μ	53	MS-068075-2			FS-068075-2		OP-068075-2
90μ	64	MS-068090-2			FS-068090-2		OP-068090-2
125μ	89	MS-068125-2	SH-068125-2	MP-068125-2		HF-068125-2	OP-068125-2
147μ	105	MS-068147-2		MP-068147-2		HF-068147-2	
160μ	114	MS-068160-2		MP-068160-2		HF-068160-2	
173μ	123			MP-068173-2			
205μ	146			MP-068205-2			
<b>Approx Unit Weight:</b>		5.6 g	5.4 g	7.2 g	6.5 g	6.6 g	6.4 g

## Test Conditions

<b>Winding</b>	N=70, #28 AWG
<b>Frequency</b>	10 kHz
<b>Voltage</b>	0.072 V
<b>A<sub>i</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>	2,340 Pcs/Box

## Winding Table

Wire Size	AWG	14	16	18	20	22	24	26	28	30	32	34
	mm	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315	0.250	0.200	0.160
Single Layer	Turns	12	15	20	26	32	41	52	65	82	102	128
	Rdc(Ω)	2.8 m	5.5 m	11.6 m	24.0 m	47.0 m	95.7 m	193.1 m	383.8 m	770.0 m	1.5	3.0
Full Winding	Turns	12	19	30	46	71	110	170	264	408	632	978
	Rdc(Ω)	2.8 m	6.9 m	17.4 m	42.5 m	104.2 m	256.8 m	631.1 m	1.6	3.8	9.4	23.2