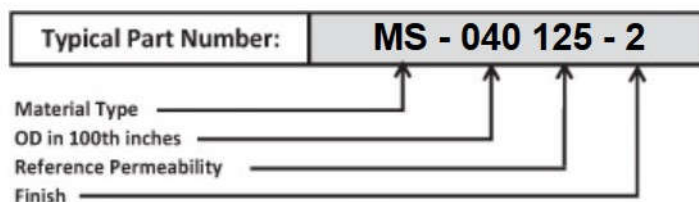
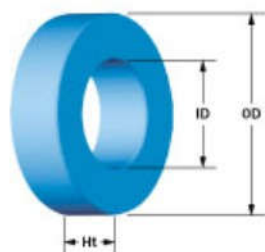


# Спецификация магнитных сердечников Molypermalloy MP-040xxx-2

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



## Physical Dimensions

OD	Bare Core Nominal	10.16 mm	0.400 in
	Coated Core (max)	10.80 mm	0.425 in
ID	Bare Core Nominal	5.08 mm	0.200 in
	Coated Core (min)	4.57 mm	0.180 in
Ht	Bare Core Nominal	3.96 mm	0.156 in
	Coated Core (max)	4.57 mm	0.180 in

## Magnetic Dimensions

Ae	Effective Magnetic Cross Section	0.1 cm <sup>2</sup>
Le	Effective Magnetic Path Length	2.38 cm
Ve	Effective Core Volume	0.238 cm <sup>3</sup>
WA	Minimum Effective Window Area	0.164 cm <sup>2</sup>
SA	Surface Area	4.2 cm <sup>2</sup>
MLT	Mean Length Per Turn	1.77 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	7	MS-040014-2		MP-040014-2	FS-040014-2	HF-040014-2	OP-040014-2
26μ	14	MS-040026-2	SH-040026-2	MP-040026-2	FS-040026-2	HF-040026-2	OP-040026-2
40μ	21	MS-040040-2			FS-040040-2		OP-040040-2
60μ	32	MS-040060-2	SH-040060-2	MP-040060-2	FS-040060-2	HF-040060-2	OP-040060-2
75μ	40	MS-040075-2			FS-040075-2		OP-040075-2
90μ	48	MS-040090-2			FS-040090-2		OP-040090-2
125μ	66	MS-040125-2	SH-040125-2	MP-040125-2		HF-040125-2	OP-040125-2
147μ	78	MS-040147-2		MP-040147-2		HF-040147-2	
160μ	84	MS-040160-2		MP-040160-2		HF-040160-2	
173μ	92			MP-040173-2			
205μ	105			MP-040205-2			
<b>Approx Unit Weight:</b>		1.4 g	1.3 g	1.8 g	1.6 g	1.6 g	1.6 g

## Test Conditions

<b>Winding</b>	N=55, #30 AWG
<b>Frequency</b>	10 kHz
<b>Voltage</b>	0.024 V
<b>A<sub>L</sub> Tolerance</b>	±8% (±12% Super-MSS)

## 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>	9,000 Pcs/Box

## Winding Table

Wire Size	AWG	20	22	24	26	28	30	32	34	36	38	40
	mm	0.800	0.630	0.500	0.400	0.315	0.250	0.200	0.160	0.125	0.100	0.080
Single Layer	Turns	12	15	19	25	32	40	50	63	80	100	125
	Rdc(Ω)	7.0 m	14.0 m	28.2 m	59.1 m	120.3 m	239.1 m	475.2 m	952.3 m	1.9	3.8	7.6
Full Winding	Turns	12	18	28	44	68	105	162	251	389	602	931
	Rdc(Ω)	7.0 m	16.8 m	41.6 m	104.0 m	255.5 m	627.5 m	1.5	3.8	9.4	23.0	56.6