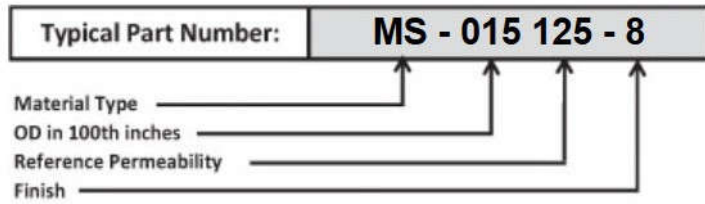
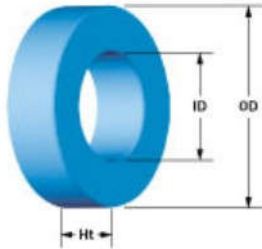


# Спецификация магнитных сердечников Molypermalloy MP-015xxx-x

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



### Physical Dimensions

OD	Bare Core Nominal	3.94 mm	0.155 in
	Coated Core (max)	4.14 mm	0.163 in
ID	Bare Core Nominal	2.21 mm	0.087 in
	Coated Core (min)	2.01 mm	0.079 in
Ht	Bare Core Nominal	2.54 mm	0.100 in
	Coated Core (max)	2.74 mm	0.108 in

### Magnetic Dimensions

Ae	Effective Magnetic Cross Section	0.0211 cm <sup>2</sup>
Le	Effective Magnetic Path Length	0.942 cm
Ve	Effective Core Volume	0.0197 cm <sup>3</sup>
WA	Minimum Effective Window Area	0.0316 cm <sup>2</sup>
SA	Surface Area	0.776 cm <sup>2</sup>
MLT	Mean Length Per Turn	0.862 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	4	MS-015014-8		MP-015014-8	FS-015014-8	HF-015014-8	OP-015014-8
26μ	7	MS-015026-8	SH-015026-8	MP-015026-8	FS-015026-8	HF-015026-8	OP-015026-8
40μ	11	MS-015040-8			FS-015040-8		OP-015040-8
60μ	17	MS-015060-8	SH-015060-8	MP-015060-8	FS-015060-8	HF-015060-8	OP-015060-8
75μ	21	MS-015075-8			FS-015075-8		OP-015075-8
90μ	25	MS-015090-8			FS-015090-8		OP-015090-8
125μ	35	MS-015125-8	SH-015125-8	MP-015125-8		HF-015125-8	OP-015125-8
147μ	41	MS-015147-8		MP-015147-8		HF-015147-8	
160μ	45	MS-015160-8		MP-015160-8		HF-015160-8	
173μ	48			MP-015173-8			
205μ	57			MP-015205-8			
<b>Approx Unit Weight:</b>		0.11 g	0.11 g	0.15 g	0.13 g	0.14 g	0.13 g

### Test Conditions

<b>Winding</b>	N=30, #32 AWG
<b>Frequency</b>	10 kHz
<b>Voltage</b>	0.003 V
<b>A<sub>L</sub> Tolerance</b>	±8% (±15% Super-MSS)

### Coating/Packaging Information

<b>Coating Type</b>	Parylene N
<b>Voltage Breakdown</b>	500 Vrms
<b>Unit</b>	0.1 mA, 5 s
<b>Package Quantity</b>	27,000 Pcs/Box

### Winding Table

Wire Size	AWG	28	30	32	34	36	38	40	42	44	-	-
	mm	0.315	0.250	0.200	0.160	0.125	0.100	0.080	0.063	0.050	-	-
Single Layer	Turns	12	16	21	26	33	42	53	67	84	-	-
	Rdc(Ω)	22.0 m	46.7 m	97.4 m	191.8 m	387.1 m	783.6 m	1.6	3.2	6.3	-	-
Full Winding	Turns	13	20	31	49	75	116	180	279	431	-	-
	Rdc(Ω)	23.8 m	58.3 m	143.8 m	361.4 m	879.8 m	2.2	5.3	13.2	32.3	-	-