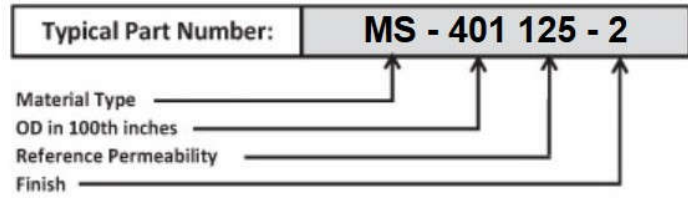
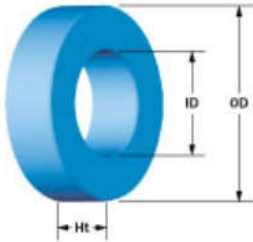


Спецификация магнитных сердечников Molypermalloy MP-401xxx-2

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



Physical Dimensions

OD	Bare Core Nominal	101.60 mm	4.000 in
	Coated Core (max)	102.87 mm	4.050 in
ID	Bare Core Nominal	57.15 mm	2.250 in
	Coated Core (min)	55.75 mm	2.195 in
Ht	Bare Core Nominal	13.59 mm	0.535 in
	Coated Core (max)	14.86 mm	0.585 in

Magnetic Dimensions

Ae	Effective Magnetic Cross Section	2.97 cm ²
Le	Effective Magnetic Path Length	24.3 cm
Ve	Effective Core Volume	72.1 cm ³
WA	Minimum Effective Window Area	24.4 cm ²
SA	Surface Area	293 cm ²
MLT	Mean Length Per Turn	10.5 cm

Permeability

Part Numbers

Reference Permeability	A _L Value (nH/N ²)	MS Sendust	SH High Freq. Sendust	MPP Molypermalloy	FluxSan™ Silicon Iron	Hi-Flux™ Nickle Iron	Optilloy™ Optimized Alloy
14μ	21.5	MS-401014-2		MP-401014-2	FS-401014-2	HF-401014-2	OP-401014-2
26μ	40	MS-401026-2	SH-401026-2	MP-401026-2	FS-401026-2	HF-401026-2	OP-401026-2
40μ	62	MS-401040-2			FS-401040-2		OP-401040-2
60μ	92.3	MS-401060-2	SH-401060-2	MP-401060-2	FS-401060-2	HF-401060-2	OP-401060-2
75μ	115	MS-401075-2			FS-401075-2		OP-401075-2
90μ	139	MS-401090-2			FS-401090-2		OP-401090-2
125μ	192	MS-401125-2	SH-401125-2	MP-401125-2		HF-401125-2	OP-401125-2
147μ	226	MS-401147-2		MP-401147-2		HF-401147-2	
160μ	246	MS-401160-2		MP-401160-2			
173μ	266			MP-401173-2			
Approx Unit Weight:		417 g	403 g	537 g	490 g	495 g	479 g

Test Conditions

Winding	N=140, #18 AWG
Frequency	10 kHz
Voltage	1.8 V
A_L Tolerance	±8%

Coating/Packaging Information

Coating Type	Blue Epoxy
Voltage Breakdown	1000 Vrms
Unit	0.1 mA, 5 s
Package Quantity	16 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	44	56	70	88	110	138	172	215	268	335	417
	Rdc(Ω)	9.5 m	19.2 m	38.1 m	76.2 m	151.5 m	302.3 m	599.2 m	1.2	2.4	4.7	9.3
Full Winding	Turns	128	198	306	474	733	1,135	1,756	2,719	4,208	6,512	10,079
	Rdc(Ω)	27.6 m	67.8 m	166.6 m	410.5 m	1.0	2.5	6.1	15.1	37.1	91.3	224.6