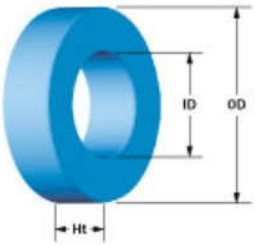
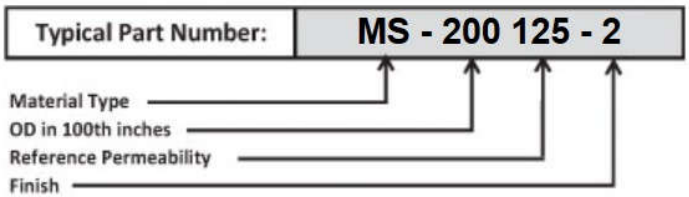
Спецификация магнитных сердечников Molypermalloy MP-200xxx-2

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





Physical Dimensions

OD	Bare Core Nominal	50.80 mm	2.000 in
	Coated Core (max)	51.69 mm	2.035 in
ID	Bare Core Nominal	31.75 mm	1.250 in
	Coated Core (min)	30.94 mm	1.218 in
Ht	Bare Core Nominal	13.46 mm	0.530 in
	Coated Core (max)	14.35 mm	0.565 in

Magnetic Dimensions

Ae	Effective Magnetic Cross Section	1.25 cm^2
Le	Effective Magnetic Path Length	12.7 cm
Ve	Effective Core Volume	15.9 cm^3
WA	Minimum Effective Window Area	7.52 cm^2
SA	Surface Area	88.2 cm^2
MLT	Mean Length Per Turn	6.49 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	17	MS-200014-2		MP-200014-2	FS-200014-2	HF-200014-2	OP-200014-2
26µ	32	MS-200026-2	SH-200026-2	MP-200026-2	FS-200026-2	HF-200026-2	OP-200026-2
40µ	49	MS-200040-2			FS-200040-2		OP-200040-2
60µ	73	MS-200060-2	SH-200060-2	MP-200060-2	FS-200060-2	HF-200060-2	OP-200060-2
75µ	91	MS-200075-2			FS-200075-2		OP-200075-2
90µ	109	MS-200090-2			FS-200090-2		OP-200090-2
125µ	152	MS-200125-2	SH-200125-2	MP-200125-2		HF-200125-2	OP-200125-2
147µ	179	MS-200147-2		MP-200147-2		HF-200147-2	
160µ	195	MS-200160-2		MP-200160-2		HF-200160-2	
173µ	210			MP-200173-2			
205µ	249			MP-200205-2			
Approx Unit Weight:		92 g	89 g	118 g	108 g	109 g	106 g

Test Conditions

Winding	N=70, #18 AWG
Frequency	10 kHz
Voltage	0.39 V
A_L Tolerance	±8%

Coating/Packaging Information

Coating Type	Blue Epoxy
Voltage Breakdown	1000 Vrms
Unit	0.1 mA, 5 s
Package Quantity	125 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	23	30	38	48	60	75	94	118	148	184	230
	Rdc(Ω)	3.1 m	6.4 m	12.8 m	25.8 m	51.2 m	101.9 m	203.0 m	405.4 m	808.6 m	1.6	3.2
Full Winding	Turns	39	61	94	146	226	350	541	837	1,296	2,006	3,104
	Rdc(Ω)	5.2 m	12.9 m	31.7 m	78.4 m	193.0 m	475.3 m	1.2	2.9	7.1	17.4	42.9