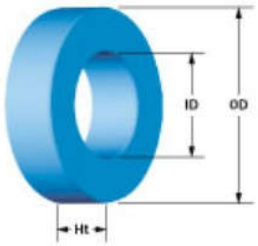
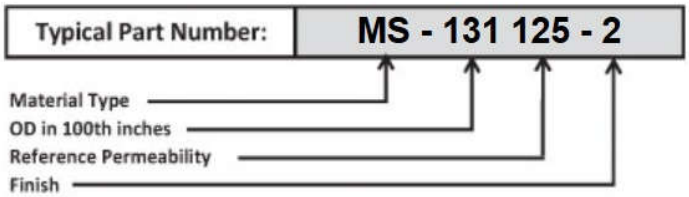
Спецификация магнитных сердечников Molypermalloy MP-131xxx-2

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





Physical Dimensions

OD	Bare Core Nominal	33.02 mm	1.300 in
	Coated Core (max)	33.83 mm	1.332 in
ID	Bare Core Nominal	19.94 mm	0.785 in
	Coated Core (min)	19.30 mm	0.760 in
Ht	Bare Core Nominal	8.76 mm	0.345 in
	Coated Core (max)	9.70 mm	0.382 in

Magnetic Dimensions

Ae	Effective Magnetic Cross Section	0.551 cm^2
Le	Effective Magnetic Path Length	8.15 cm
Ve	Effective Core Volume	4.49 cm^3
WA	Minimum Effective Window Area	2.93 cm^2
SA	Surface Area	37.8 cm^2
MLT	Mean Length Per Turn	4.36 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	11.9	MS-131014-2		MP-131014-2	FS-131014-2	HF-131014-2	OP-131014-2
26µ	22.1	MS-131026-2	SH-131026-2	MP-131026-2	FS-131026-2	HF-131026-2	OP-131026-2
40µ	34	MS-131040-2			FS-131040-2		OP-131040-2
60µ	51	MS-131060-2	SH-131060-2	MP-131060-2	FS-131060-2	HF-131060-2	OP-131060-2
75µ	63.8	MS-131075-2			FS-131075-2		OP-131075-2
90µ	76.5	MS-131090-2			FS-131090-2		OP-131090-2
125µ	109	MS-131125-2	SH-131125-2	MP-131125-2		HF-131125-2	OP-131125-2
147µ	129	MS-131147-2		MP-131147-2		HF-131147-2	
160µ	136	MS-131160-2		MP-131160-2		HF-131160-2	
173µ	151			MP-131173-2			
205µ	180			MP-131205-2			
Approx Unit Weight:		26 g	25 g	33 g	31 g	31 g	30 g

Test Conditions

Winding	N=70, #22 AWG
Frequency	10 kHz
Voltage	0.17 V
A_L Tolerance	±8%

Coating/Packaging Information

Coating Type	Blue Epoxy
Voltage Breakdown	1000 Vrms
Unit	0.1 mA, 5 s
Package Quantity	576 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	14	18	22	29	36	46	58	73	91	114	142
	Rdc(Ω)	1.3 m	2.6 m	5.0 m	10.5 m	20.6 m	41.9 m	84.1 m	168.3 m	333.7 m	664.9 m	1.3
Full Winding	Turns	15	24	37	57	88	136	211	326	504	780	1,208
	Rdc(Ω)	1.3 m	3.4 m	8.4 m	20.5 m	50.4 m	124.0 m	305.9 m	751.8 m	1.8	4.5	11.2