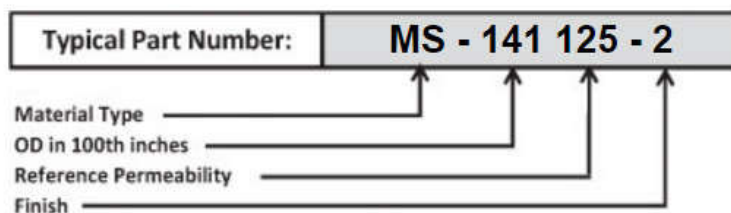
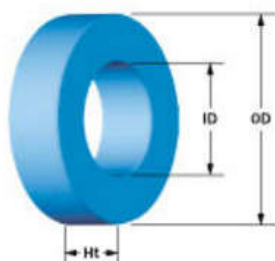


Спецификация магнитных сердечников Fluxsan FS-141xxx-2

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



Physical Dimensions

OD	Bare Core Nominal	35.81 mm	1.410 in
	Coated Core (max)	36.63 mm	1.442 in
ID	Bare Core Nominal	22.35 mm	0.880 in
	Coated Core (min)	21.54 mm	0.848 in
Ht	Bare Core Nominal	10.46 mm	0.412 in
	Coated Core (max)	11.28 mm	0.444 in

Magnetic Dimensions

Ae	Effective Magnetic Cross Section	0.678 cm ²
Le	Effective Magnetic Path Length	8.98 cm
Ve	Effective Core Volume	6.09 cm ³
WA	Minimum Effective Window Area	3.64 cm ²
SA	Surface Area	45.6 cm ²
MLT	Mean Length Per Turn	4.84 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	13	MS-141014-2		MP-141014-2	FS-141014-2	HF-141014-2	OP-141014-2
26μ	24	MS-141026-2	SH-141026-2	MP-141026-2	FS-141026-2	HF-141026-2	OP-141026-2
40μ	37	MS-141040-2			FS-141040-2		OP-141040-2
60μ	56	MS-141060-2	SH-141060-2	MP-141060-2	FS-141060-2	HF-141060-2	OP-141060-2
75μ	70	MS-141075-2			FS-141075-2		OP-141075-2
90μ	84.3	MS-141090-2			FS-141090-2		OP-141090-2
125μ	117	MS-141125-2	SH-141125-2	MP-141125-2		HF-141125-2	OP-141125-2
147μ	138	MS-141147-2		MP-141147-2		HF-141147-2	
160μ	150	MS-141160-2		MP-141160-2		HF-141160-2	
173μ	162			MP-141173-2			
205μ	192			MP-141205-2			
Approx Unit Weight:		35 g	34 g	45 g	41 g	42 g	40 g

Test Conditions

Winding	N=80, #22 AWG
Frequency	10 kHz
Voltage	0.24 V
A_L Tolerance	±8%

Coating/Packaging Information

Coating Type	Blue Epoxy
Voltage Breakdown	1000 Vrms
Unit	0.1 mA, 5 s
Package Quantity	343 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	15	20	25	32	41	52	65	81	102	128	159
	Rdc(Ω)	1.5 m	3.2 m	6.3 m	12.8 m	26.1 m	52.7 m	104.7 m	207.5 m	415.6 m	829.5 m	1.6
Full Winding	Turns	19	30	46	71	109	169	262	406	628	972	1,505
	Rdc(Ω)	1.9 m	4.8 m	11.6 m	28.4 m	69.4 m	171.2 m	422.1 m	1.0	2.6	6.3	15.5