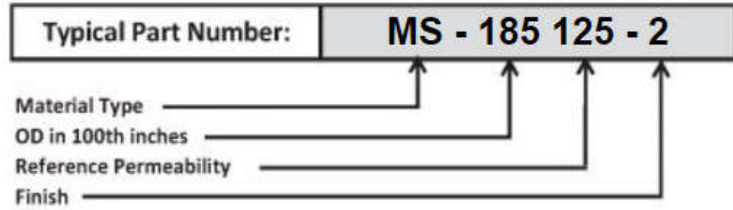
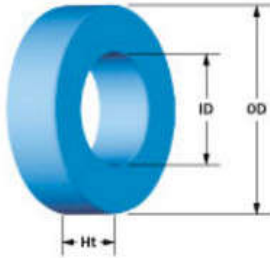


Спецификация магнитных сердечников Fluxsan FS-185xxx-2

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



Physical Dimensions

OD	Bare Core Nominal	46.74 mm	1.840 in
	Coated Core (max)	47.63 mm	1.875 in
ID	Bare Core Nominal	28.70 mm	1.130 in
	Coated Core (min)	27.89 mm	1.098 in
Ht	Bare Core Nominal	15.24 mm	0.600 in
	Coated Core (max)	16.13 mm	0.635 in

Magnetic Dimensions

Ae	Effective Magnetic Cross Section	1.34 cm ²
Le	Effective Magnetic Path Length	11.6 cm
Ve	Effective Core Volume	15.6 cm ³
WA	Minimum Effective Window Area	6.11 cm ²
SA	Surface Area	79.6 cm ²
MLT	Mean Length Per Turn	6.59 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	20	MS-185014-2		MP-185014-2	FS-185014-2	HF-185014-2	OP-185014-2
26μ	37	MS-185026-2	SH-185026-2	MP-185026-2	FS-185026-2	HF-185026-2	OP-185026-2
40μ	57	MS-185040-2			FS-185040-2		OP-185040-2
60μ	86	MS-185060-2	SH-185060-2	MP-185060-2	FS-185060-2	HF-185060-2	OP-185060-2
75μ	107	MS-185075-2			FS-185075-2		OP-185075-2
90μ	128	MS-185090-2			FS-185090-2		OP-185090-2
125μ	178	MS-185125-2	SH-185125-2	MP-185125-2		HF-185125-2	OP-185125-2
147μ	210	MS-185147-2		MP-185147-2		HF-185147-2	
160μ	228	MS-185160-2		MP-185160-2		HF-185160-2	
173μ	246			MP-185173-2			
205μ	292			MP-185205-2			
Approx Unit Weight:		90 g	87 g	116 g	106 g	107 g	104 g

Test Conditions

Winding	N=80, #20 AWG
Frequency	10 kHz
Voltage	0.48 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
Single Layer	Turns	21	27	34	43	54	68	85	106	133	166	207
	Rdc(Ω)	2.8 m	5.8 m	11.7 m	23.5 m	46.8 m	93.8 m	186.5 m	369.9 m	738.1 m	1.5	2.9
Full Winding	Turns	32	49	77	119	184	284	440	680	1,053	1,630	2,523
	Rdc(Ω)	4.3 m	10.6 m	26.4 m	64.9 m	159.6 m	391.8 m	965.4 m	2.4	5.8	14.4	35.4