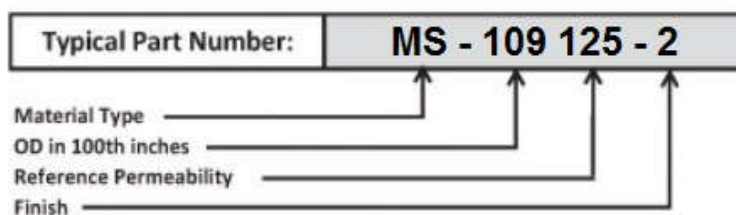
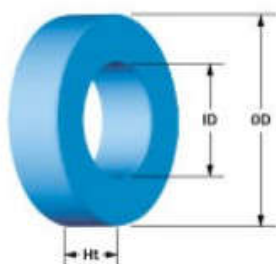


Спецификация магнитных сердечников Sendust MS-109xxx-2

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



Physical Dimensions

OD	Bare Core Nominal	26.92 mm	1.060 in
	Coated Core (max)	27.81 mm	1.095 in
ID	Bare Core Nominal	14.73 mm	0.580 in
	Coated Core (min)	14.10 mm	0.555 in
Ht	Bare Core Nominal	18.00 mm	0.709 in
	Coated Core (max)	19.00 mm	0.748 in

Magnetic Dimensions

Ae	Effective Magnetic Cross Section	1.01 cm ²
Le	Effective Magnetic Path Length	6.35 cm
Ve	Effective Core Volume	6.43 cm ³
WA	Minimum Effective Window Area	1.56 cm ²
SA	Surface Area	35.8 cm ²
MLT	Mean Length Per Turn	5.88 cm

Permeability

Part Numbers

Reference Permeability	A _L Value (nH/N ²)	Super-MSS™ Sendust	MPP Molypermalloy	FluxSan™ Silicon Iron	Hi-Flux™ Nickle Iron	Optilloy™ Optimized Alloy
14μ	28	MS-109014-2	MP-109014-2	FS-109014-2	HF-109014-2	OP-109014-2
26μ	52	MS-109026-2	MP-109026-2	FS-109026-2	HF-109026-2	OP-109026-2
40μ	80	MS-109040-2		FS-109040-2		OP-109040-2
60μ	120	MS-109060-2	MP-109060-2	FS-109060-2	HF-109060-2	OP-109060-2
75μ	150	MS-109075-2		FS-109075-2		OP-109075-2
90μ	180	MS-109090-2		FS-109090-2		OP-109090-2
125μ	250	MS-109125-2	MP-109125-2		HF-109125-2	OP-109125-2
147μ	294	MS-109147-2	MP-109147-2		HF-109147-2	
160μ	320	MS-109160-2	MP-109160-2		HF-109160-2	
173μ	346		MP-109173-2			
205μ	410		MP-109205-2			
Approx Unit Weight:		37 g	48 g	44 g	44 g	43 g

Test Conditions

Winding	N=80, #26 AWG
Frequency	10 kHz
Voltage	0.36 V
A_L Tolerance	±8%

Coating/Packaging Information

Coating Type	Blue Epoxy
Voltage Breakdown	1000 Vrms
Unit	0.1 mA, 5 s
Package Quantity	400 Pcs/Box

Winding Table

Wire Size	AWG	10	12	14	16	18	20	22	24	26	28	30
	mm	2.500	2.000	1.600	1.250	1.000	0.800	0.630	0.500	0.400	0.315	0.250
Single Layer	Turns	12	16	20	26	33	41	52	66	82	103	129
	Rdc(Ω)	2.3 m	4.9 m	9.7 m	20.1 m	40.6 m	80.2 m	161.7 m	326.4 m	644.9 m	1.3	2.6
Full Winding	Turns	13	20	30	47	73	112	174	269	417	645	998
	Rdc(Ω)	2.5 m	6.1 m	14.6 m	36.3 m	89.7 m	219.0 m	541.0 m	1.3	3.3	8.1	19.9