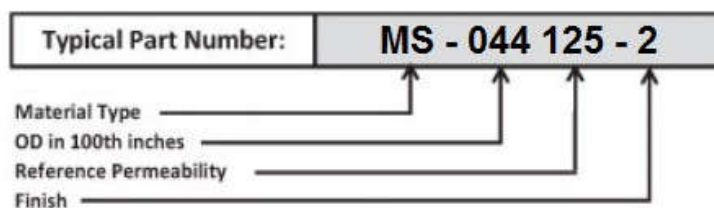
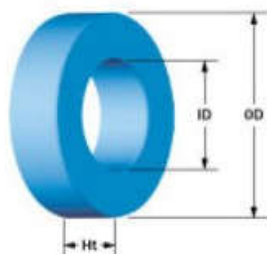


Спецификация магнитных сердечников Sendust MS-044xxx-2

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



Physical Dimensions

Dimension	Core Type	Value	
		mm	in
OD	Bare Core Nominal	11.18	0.440
	Coated Core (max)	11.89	0.468
ID	Bare Core Nominal	6.35	0.250
	Coated Core (max)	5.89	0.232
Ht	Bare Core Nominal	3.96	0.156
	Coated Core (max)	4.72	0.186

Magnetic Dimensions

Symbol	Description	Value
Ae	Effective Magnetic Cross Section	0.09 cm ²
Le	Effective Magnetic Path Length	2.69 cm
Ve	Effective Core Volume	0.24 cm ³
WA	Minimum Effective Window Area	0.27 cm ²
SA	Surface Area	5.1 cm ²
MLT	Mean Length Per Turn	1.84 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	6	MS-044014-2	MP-044014-2	FS-044014-2	HF-044014-2	OP-044014-2
26μ	11	MS-044026-2	MP-044026-2	FS-044026-2	HF-044026-2	OP-044026-2
40μ	17	MS-044040-2		FS-044040-2		OP-044040-2
60μ	26	MS-044060-2	MP-044060-2	FS-044060-2	HF-044060-2	OP-044060-2
75μ	32	MS-044075-2		FS-044075-2		OP-044075-2
90μ	38	MS-044090-2		FS-044090-2		OP-044090-2
125μ	53	MS-044125-2	MP-044125-2		HF-044125-2	OP-044125-2
147μ	63	MS-044147-2	MP-044147-2		HF-044147-2	
160μ	68	MS-044160-2	MP-044160-2		HF-044160-2	
173μ	74		MP-044173-2			
205μ	88		MP-044205-2			
Approx Unit Weight:		1.4 g	1.8 g	1.6 g	1.6 g	1.6 g

Test Conditions

Winding	N=60, #30 AWG
Frequency	10 kHz
Voltage	0.024 V
A _L Tolerance	±8% (±12% Super-MSS)

Coating/Packaging Information

Coating Type	Blue Epoxy
Voltage Breakdown	1000 Vrms
Unit	0.1 mA, 5 s
Package Quantity	9,000 Pcs/Box

Winding Table

Wire Size	AWG	18	20	22	24	26	28	30	32	34	36	38
	mm	1.000	0.800	0.630	0.500	0.400	0.315	0.250	0.200	0.160	0.125	0.100
Single Layer	Turns	12	16	20	26	33	42	52	66	83	103	129
	Rdc(Ω)	4.6 m	9.8 m	19.5 m	40.2 m	81.2 m	164.4 m	323.6 m	653.3 m	1.3	2.6	5.1
Full Winding	Turns	13	20	30	47	73	113	174	270	417	646	999
	Rdc(Ω)	5.0 m	12.2 m	29.2 m	72.7 m	179.6 m	442.2 m	1.1	2.7	6.6	16.2	39.8