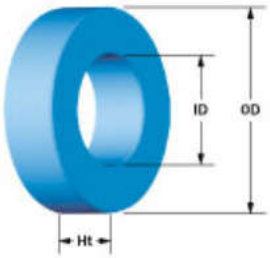
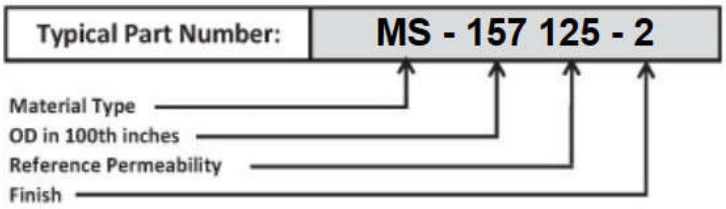
Спецификация магнитных сердечников
Sendust MS-157xxx-2

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





Physical Dimensions

OD	Bare Core Nominal	39.88 mm	1.570 in
	Coated Core (max)	40.69 mm	1.602 in
ID	Bare Core Nominal	24.13 mm	0.950 in
	Coated Core (min)	23.32 mm	0.918 in
Ht	Bare Core Nominal	14.48 mm	0.570 in
	Coated Core (max)	15.37 mm	0.605 in

Magnetic Dimensions

Ae	Effective Magnetic Cross Section	1.07 cm^2
Le	Effective Magnetic Path Length	9.85 cm
Ve	Effective Core Volume	10.5 cm^3
WA	Minimum Effective Window Area	4.27 cm^2
SA	Surface Area	60.2 cm^2
MLT	Mean Length Per Turn	5.98 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	19	MS-157014-2		MP-157014-2	FS-157014-2	HF-157014-2	OP-157014-2
26µ	35	MS-157026-2	SH-157026-2	MP-157026-2	FS-157026-2	HF-157026-2	OP-157026-2
40µ	54	MS-157040-2			FS-157040-2		OP-157040-2
60µ	81	MS-157060-2	SH-157060-2	MP-157060-2	FS-157060-2	HF-157060-2	OP-157060-2
75µ	101	MS-157075-2			FS-157075-2	HF-157075-2	OP-157075-2
90µ	121	MS-157090-2			FS-157090-2		OP-157090-2
125µ	168	MS-157125-2	SH-157125-2	MP-157125-2		HF-157125-2	OP-157125-2
147µ	198	MS-157147-2		MP-157147-2		HF-157147-2	
160µ	215	MS-157160-2		MP-157160-2		HF-157160-2	
173µ	233			MP-157173-2			
205µ	276			MP-157205-2			
Approx Unit Weight:		61 g	59 g	78 g	71 g	72 g	70 g

Test Conditions

Winding	N=70, #20 AWG
Frequency	10 kHz
Voltage	0.33 V
A_L Tolerance	±8%

Coating/Packaging Information

Coating Type	Blue Epoxy
Voltage Breakdown	1000 Vrms
Unit	0.1 mA, 5 s
Package Quantity	216 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	17	22	28	35	45	56	70	88	111	138	173
	Rdc(Ω)	2.1 m	4.3 m	8.7 m	17.3 m	35.4 m	70.0 m	139.2 m	278.3 m	558.3 m	1.1	2.2
Full Winding	Turns	22	35	54	83	128	199	307	476	736	1,139	1,764
	Rdc(Ω)	2.7 m	6.8 m	16.8 m	41.0 m	100.6 m	248.8 m	610.5 m	1.5	3.7	9.1	22.4