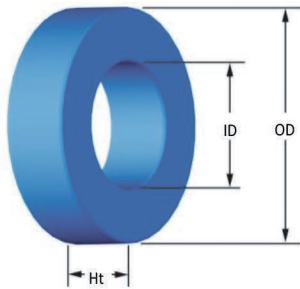


2.917 in./74.1 mm OD Toroid



Typical Part Number:	MS - 292 125 - 2
Material Type	MS
OD in 100th inches	292
Reference Permeability	125
Finish	-
Area for Special Height (in XX.Xmm)	2

Physical Dimensions

OD	Bare Core Nominal	74.1 mm	2.917 in
	Coated Core (max)	75.2 mm	2.961 in
ID	Bare Core Nominal	45.3 mm	1.783 in
	Coated Core (min)	44.1 mm	1.736 in
Ht	Bare Core Nominal	35 mm	1.378 in
	Coated Core (max)	36.2 mm	1.425 in

Magnetic Dimensions

Ae	Effective Magnetic Cross Section	4.94 cm ²
Le	Effective Magnetic Path Length	18.4 cm
Ve	Effective Core Volume	90.9 cm ³
WA	Minimum Effective Window Area	15.3 cm ²
SA	Surface Area	228 cm ²
MLT	Mean Length Per Turn	12.6 cm

Permeability Part Numbers

Reference Perm.	A _L Value (nH/N ²)	MS Sendust	SH High Frequency Sendust	MP Molypermalloy	Hi-Flux™ HF Nickel Iron	FluxSan™ FS Silicon Iron	Optilloy™ Material Series*		
							OC Optimized Core Loss	OD Optimized DC Bias	OE Optimized Economy
14μ	48	MS-292014-2		MP-292014-2	HF-292014-2	FS-292014-2			
26μ	89	MS-292026-2	SH-292026-2	MP-292026-2	HF-292026-2	FS-292026-2	OC-292026-2	OD-292026-2	OE-292026-2
40μ	137	MS-292040-2				FS-292040-2			
60μ	206	MS-292060-2	SH-292060-2	MP-292060-2	HF-292060-2	FS-292060-2	OC-292060-2	OD-292060-2	OE-292060-2
75μ	257	MS-292075-2				FS-292075-2			
90μ	309	MS-292090-2				FS-292090-2	OC-292090-2	OD-292090-2	OE-292090-2
125μ	429	MS-292125-2	SH-292125-2	MP-292125-2	HF-292125-2		OC-292125-2		
147μ	505	MS-292147-2							
160μ	549	MS-292160-2							
173μ	N/A								
205μ	N/A								
Approx. Unit Weight:		530 g	510 g	680 g	620 g	620 g	600 g	600 g	600 g

*OP Material is available, further details listed on website

Test Conditions

Winding	N=100, #18 AWG
Frequency	10 kHz
Voltage	2.2 V
A _L Tolerance	±8%

Coating/Packaging Information

Coating Type	Blue Epoxy
Voltage Breakdown	1000 Vrms
Limit	0.1 mA, 5 s
Package Quantity	18 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	35	44	55	69	87	109	136	170	212	264	329
	Rdc(Ω)	9.0 m	18.1 m	35.9 m	71.7 m	143.7 m	286.3 m	568.1 m	1.1	2.2	4.4	8.8
Full Winding	Turns	80	124	192	296	459	710	1,099	1,701	2,633	4,075	6,307
	Rdc(Ω)	20.7 m	50.9 m	125.4 m	307.4 m	758.0 m	1.9	4.6	11.3	27.8	68.5	168.5