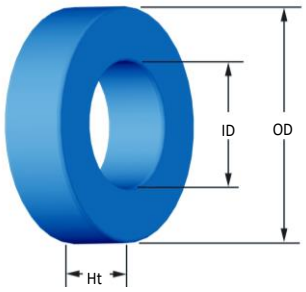
6.000 in./152.40 mm OD Toroid



Typical Part Number:	MS - 600 125 - 2

Material Type
OD in 100th inches
Reference Permeability
Finish
Area for Special Height (in XX.Xmm)

Physical Dimensions

OD	Bare Core Nominal	152.4 mm	6.000 in
	Coated Core (max)	153.9 mm	6.059 in
ID	Bare Core Nominal	81.28 mm	3.200 in
	Coated Core (min)	79.65 mm	3.136 in
Ht	Bare Core Nominal	20.32 mm	0.800 in
	Coated Core (max)	21.72 mm	0.855 in

Magnetic Dimensions

Ae	Effective Magnetic Cross Section	7.05 cm^2
Le	Effective Magnetic Path Length	35.97 cm
Ve	Effective Core Volume	253 cm^3
WA	Minimum Effective Window Area	49.8 cm^2
SA	Surface Area	646 cm^2
MLT	Mean Length Per Turn	15.8 cm

Permeability **Part Numbers**

Reference Perm.	A_L Value (nH/N²)	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	35.3	MS-600014-2		MP-600014-2	HF-600014-2	FS-600014-2			
26µ	66	MS-600026-2		MP-600026-2	HF-600026-2	FS-600026-2	OC-600026-2	OD-600026-2	OE-600026-2
40µ	102	MS-600040-2				FS-600040-2			
60µ	152.5	MS-600060-2		MP-600060-2	HF-600060-2	FS-600060-2			
75µ	190.5	MS-600075-2				FS-600075-2			
90µ	229	MS-600090-2							
125µ	318	MS-600125-2		MP-600125-2	HF-600125-2				
147µ	374			MP-600147-2	HF-600147-2				
160µ	407			MP-600160-2					
173µ	440			MP-600173-2					
205µ	N/A								
Approx. Unit Weight:		1,460 g	1,420 g	1,890 g	1,740 g	1,720 g	1,680 g	1,680 g	1,680 g

*OP Material is available, further details listed on website

Test Conditions

Winding	N=200, #18 AWG
Frequency	10 kHz
Voltage	6.3 V
A_L Tolerance	±8%

Coating/Packaging Information

Coating Type	Blue Epoxy
Voltage Breakdown	1000 Vrms
Limit	0.1 mA, 5 s
Package Quantity	4 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	65	81	102	127	159	198	247	309	385	479	597
	Rdc(Ω)	21.1 m	41.7 m	83.6 m	165.5 m	329.4 m	652.5 m	1.3	2.6	5.1	10.1	20.0
Full Winding	Turns	261	404	625	967	1,497	2,316	3,585	5,549	8,589	13,293	20,574
	Rdc(Ω)	84.5 m	208.1 m	512.0 m	1.3	3.1	7.6	18.8	46.2	113.9	280.2	689.8