

OD 1650

TOROIDAL MAGNETIC POWDER CORES

Core Dimensions

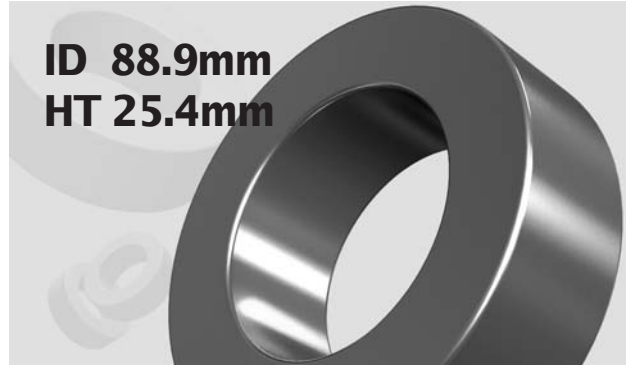
		OD(max)	ID(min)	HT(max)
Before coating	(mm)	165.0	88.9	25.4
	(inch)	6.496	3.500	1.000
After coating	(mm)	167.2	86.9	27.3
	(inch)	6.583	3.421	1.075

Magnetic Dimensions

Cross Section (A)	Path Length ($\varnothing$)	Window Area (W_a)	Volume (V)
9.46cm ²	38.65cm	59.31cm ²	365.63cm ³
1.466in	15.22in	11,704,978cmil	22.31in

OD 165.0mm / 6.496inch

ID 88.9mm
HT 25.4mm



Winding Information

AWG Wire No.	Single Layer Turn Rdc, Ω	AWG Wire No.	Single Layer Turn Rdc, Ω
10 0.267		19 0.0980	
11 0.238		20 0.0879	
12 0.213		21 0.0785	
13 0.190		22 0.0701	
14 0.171	N · A	23 0.0632	N · A
15 0.153		24 0.0566	
16 0.137		25 0.0505	
17 0.122		26 0.0452	
18 0.109		27 0.0409	

Single layer winding with 1 inch leads

Available Cores

Part No.				AL	Perm.
MPP	High Flux	Sendust	Mega Flux®	(nH/N ²)	(μ)
CM1625026	CH1625026	CS1625026	CK1625026	80	26
CM1625060	CH1625060	CS1625060	CK1625060	184	60
CM1625125	CH1625125	CS1625125	-	384	125
-	-	-	-	-	147
-	-	-	-	-	160
-	-	-	-	-	173
-	-	-	-	-	200

■ AL vs NI Curve (60 μ , 125 μ)

