

OD1016

TOROIDAL MAGNETIC POWDER CORES

Core Dimensions

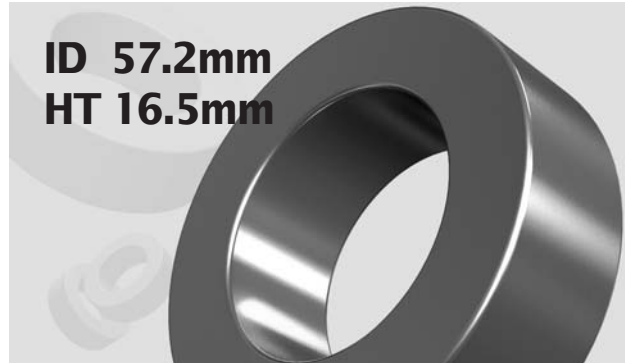
		OD(max)	ID(min)	HT(max)
Before coating	(mm)	101.6	57.2	16.5
	(inch)	3.980	2.252	0.650
After coating	(mm)	103.1	55.7	17.8
	(inch)	4.059	2.193	0.701

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (W_a)	Volume (V)
3.522cm ²	24.27cm	24.36cm ²	85.495cm ³
0.546in	9.56in	4,807,425cmil	5.217in

OD 101.6mm / 3.980inch

ID 57.2mm
HT 16.5mm



Winding Information

AWG Wire No.	Dia(cm)	Single Layer Turn	Rdc, Ω	AWG Wire No.	Dia(cm)	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)
CM1016026	CH1016026	CS1016026	CK1016026	48	26
CM1016060	CH1016060	CS1016060	CK1016060	112	60
CM1016125	CH1016125	CS1016125	-	228	125
-	-	-	-	-	147
-	-	-	-	-	160
-	-	-	-	-	173
-	-	-	-	-	200

■ AL vs NI Curve (60 μ , 125 μ)

