

# OD 172

## OD 17.27mm / 0.680inch

**ID 9.65mm**  
**HT 6.35mm**



### Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	17.27	9.65	6.35
	(inch)	0.680	0.380	0.250
After coating (Epoxy)	(mm)	18.03	9.02	7.11
	(inch)	0.710	0.355	0.280

### Magnetic Dimensions

Cross Section (A)	Path Length (l)	Window Area (Wa)	Volume (V)
0.232cm <sup>2</sup>	4.14cm	0.638cm <sup>2</sup>	0.9605cm <sup>3</sup>
0.0360in <sup>2</sup>	1.63in	126,000cmil	0.05868in <sup>3</sup>

### Winding Information

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia.(cm)	Turns	Rdc,Ω	No.	Dia.(cm)	Turns	Rdc,Ω
12	0.213	9	0.00161	21	0.0785	29	0.0319
13	0.190	10	0.00225	22	0.0701	33	0.0449
14	0.171	12	0.00311	23	0.0632	37	0.0621
15	0.153	14	0.00434	24	0.0566	41	0.0869
16	0.137	16	0.00606	25	0.0505	47	0.122
17	0.122	18	0.00843	26	0.0452	52	0.171
18	0.109	20	0.0118	27	0.0409	58	0.237
19	0.0980	23	0.0164	28	0.0366	65	0.334
20	0.0879	26	0.0228	29	0.0330	73	0.458

Single layer winding with 1 inch leads

### Available Cores

Part No.				AL (nH/N <sup>2</sup> ) (μ)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux		
CM172026	CH172026	CS172026	CK172026	19	26
CM172060	CH172060	CS172060	CK172060	43	60
-	-	CS172075	CK172075	53	75
-	-	CS172090	CK172090	64	90
CM172125	CH172125	CS172125	-	89	125
CM172147	CH172147	-	-	105	147
CM172160	CH172160	-	-	114	160
CM172173	-	-	-	123	173
CM172200	-	-	-	142	200

### AL vs NI Curve (60μ, 125μ)

