

# OD 112

**OD 11.18mm / 0.440inch**

**ID 6.35mm  
HT 3.96mm**



## Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	11.18	6.35	3.96
	(inch)	0.440	0.250	0.156
After coating (Epoxy)	(mm)	11.90	5.89	4.72
	(inch)	0.468	0.232	0.186

## Magnetic Dimensions

Cross Section (A)	Path Length (l)	Window Area (Wa)	Volume (V)
0.0906cm <sup>2</sup>	2.69cm	0.273cm <sup>2</sup>	0.2437cm <sup>3</sup>
0.01403in <sup>2</sup>	1.08in	53,800cmil	0.01515in <sup>3</sup>

## Winding Information

AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω	AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω
16	0.137	9	0.00299	25	0.0505	29	0.0566
17	0.122	11	0.00412	26	0.0452	33	0.0792
18	0.109	12	0.00572	27	0.0409	37	0.109
19	0.0980	14	0.00792	28	0.0366	42	0.153
20	0.0879	16	0.0109	29	0.0330	46	0.209
21	0.0785	18	0.0152	30	0.0294	52	0.297
22	0.0701	21	0.0212	31	0.0267	58	0.410
23	0.0632	23	0.0292	32	0.0241	64	0.556
24	0.0566	26	0.0406	33	0.0216	72	0.782

Single layer winding with 1 inch leads

## Available Cores

MPP	Part No.			Al. (nH/N <sup>2</sup> )	Perm. (μ)
	High Flux	Sendust	Mega Flux®		
CM112026	CH112026	CS112026	CK112026	11	26
CM112060	CH112060	CS112060	CK112060	26	60
-	-	CS112075	CK112075	32	75
-	-	CS112090	CK112090	38	90
CM112125	CH112125	CS112125	-	53	125
CM112147	CH112147	-	-	63	147
CM112160	CH112160	-	-	68	160
CM112173	-	-	-	74	173
CM112200	-	-	-	85	200

## Al vs NI Curve (60μ, 125μ)

