

# OD 039

## OD 3.94mm / 0.155inch

ID 2.24mm  
HT 2.54mm



### Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	3.94	2.24	2.54
	(inch)	0.155	0.088	0.100
After coating (Parylene-C)	(mm)	4.14	2.04	2.74
	(inch)	0.163	0.080	0.108

### Magnetic Dimensions

Cross Section (A)	Path Length (l)	Window Area (Wa)	Volume (V)
0.0211 cm <sup>2</sup>	0.942cm	0.0308cm <sup>2</sup>	0.019670cm <sup>3</sup>
0.003245 in <sup>2</sup>	0.370 inch	6,080cmil	0.001200in <sup>3</sup>

### Available Cores

MPP	Part No.			AL (nH/N <sup>2</sup> )	Perm. (μ)
	High Flux	Sendust	Mega Flux		
-	-	-	-	-	26
CM039060	CH039060	CS039060	CK039060	17	60
		CS039075	CK039075	21	75
-	-	CS039090	CK039090	25	90
CM039125	CH039125	CS039125	-	35	125
CM039147	-	-	-	41	147
CM039160	-	-	-	45	160
-	-	-	-	-	173
-	-	-	-	-	200

### Winding Information

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia.(cm)	Turns	Rdc,Ω	No.	Dia.(cm)	Turns	Rdc,Ω
27	0.0409	11	0.0248	36	0.0152	33	0.430
28	0.0366	12	0.0342	37	0.0140	36	0.579
29	0.0330	14	0.0458	38	0.0124	41	0.807
30	0.0294	16	0.0638	39	0.0109	47	1.18
31	0.0267	18	0.0869	40	0.0096	53	1.67
32	0.0241	20	0.116	41	0.00863	59	2.25
33	0.0216	23	0.161	42	0.00762	67	3.15
34	0.0191	26	0.226	43	0.00685	74	4.45
35	0.0170	29	0.313	44	0.00635	80	5.76

Single layer winding with 1 inch leads

### AL vs NI Curve(125μ)

