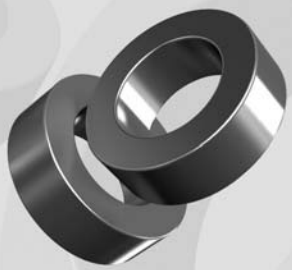
OD039

TOROIDAL MAGNETIC POWDER CORES

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)
0.0211cm²	0.942cm	0.0308cm²	0.019670cm³
0.003245in²	0.370inch	6,080cmil	0.001200in³

Winding Information

AWG Wire No.	Dia(cm)	Single Layer Turn	Rdc,Ω	AWG Wire No.	Dia(cm)	Single Layer Turn	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

Available Cores

Part No. MPP	High Flux	Sendust	Mega Flux®	A_L (nH/N²)	Perm. (μ)
-	-	-	-	-	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

■ A_L vs NI Curve (125μ)