

OD 127

OD 12.70mm / 0.500inch

ID 7.62mm
HT 4.75mm



Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	12.70	7.62	4.75
	(inch)	0.500	0.300	0.187
After coating (Epoxy)	(mm)	13.46	6.99	5.51
	(inch)	0.530	0.275	0.217

Magnetic Dimensions

Cross Section (A)	Path Length (l)	Window Area (Wa)	Volume (V)
0.114cm ²	3.12cm	0.383m ²	0.35568cm ³
0.01767in ²	1.229in	75,600cmil	0.02172in ³

Winding Information

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia.(cm)	Turns	Rdc,Ω	No.	Dia.(cm)	Turns	Rdc,Ω
15	0.153	10	0.00271	24	0.0566	31	0.0518
16	0.137	11	0.00376	25	0.0505	35	0.0723
17	0.122	13	0.00520	26	0.0452	40	0.101
18	0.109	15	0.00722	27	0.0409	45	0.140
19	0.0980	17	0.0100	28	0.0366	50	0.197
20	0.0879	19	0.0139	29	0.0330	56	0.269
21	0.0785	22	0.0193	30	0.0294	63	0.381
22	0.0701	25	0.0270	31	0.0267	69	0.527
23	0.0632	28	0.0371	32	0.0241	77	0.716

Single layer winding with 1 inch leads

Available Cores

Part No.				AL	Perm.
MPP	High Flux	Sendust	Mega Flux	(nH/N ²)	(μ)
CM127026	CH127026	CS127026	CK127026	12	26
CM127060	CH127060	CS127060	CK127060	27	60
-	-	CS127075	CK127075	34	75
-	-	CS127090	CK127090	40	90
CM127125	CH127125	CS127125	-	56	125
CM127147	CH127147	-	-	67	147
CM127160	CH127160	-	-	72	160
CM127173	-	-	-	79	173
CM127200	-	-	-	90	200

AL vs NI Curve (60μ, 125μ)

