

OD046

OD 4.65mm / 0.183inch



ID 2.36mm
HT 2.54mm

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	4.65	2.36	2.54
	(inch)	0.183	0.093	0.100
After coating (parylene-C)	(mm)	4.85	2.16	2.74
	(inch)	0.191	0.085	0.108

Magnetic Dimensions

Cross Section (A)	Path Length (l)	Window Area (Wa)	Volume (V)
0.0285cm ²	1.060cm	0.029cm ²	0.0302cm ³
0.00442in ²	0.418in	5,780cmil	0.001837in ³

Available Cores

MPP	Part No.			AL (nH/N ²)	Perm. (μ)
	High Flux	Sendust	Mega Flux®		
-	-	-	-	-	26
CM046060	CH046060	CS046060	CK046060	20	60
-	-	CS046075	CK046075	25	75
-	-	CS046090	CK046090	30	90
CM046125	CH046125	CS046125	-	42	125
CM046147	-	-	-	49	147
CM046160	-	-	-	53	160
-	-	-	-	-	173
-	-	-	-	-	200

Winding Information

AWG Wire No.	Dia(cm)	Single Layer		AWG Wire No.	Dia(cm)	Single Layer	
		Turn	Rdc,Ω			Turn	Rdc,Ω
26	0.0452	9	0.0205	35	0.0170	28	0.371
27	0.0409	10	0.0280	36	0.0152	31	0.511
28	0.0366	12	0.0388	37	0.0140	35	0.691
29	0.0330	13	0.0524	38	0.0124	39	0.968
30	0.0294	15	0.0734	39	0.0109	45	1.42
31	0.0267	17	0.101	40	0.0096	51	2.02
32	0.0241	19	0.135	41	0.00863	57	2.73
33	0.0216	22	0.188	42	0.00762	64	3.83
34	0.0191	25	0.266	43	0.00685	71	5.42

Single layer winding with 1 inch leads

AL vs NI Curve (60μ, 125μ)

