

TOROIDAL MAGNETIC POWDER CORES

Inductance calculation by A_L vs NI Curves;

Inductor specification

- Core : CM270125
- Number of Winding : 22 Turns
- Current : DC 10 Amperes

Solution

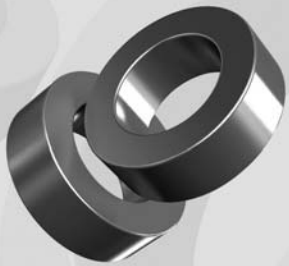
- Calculate NI (Ampere · Turns) $NI = 22 \text{ Turns} \times 10 \text{ Ampere} = 220$
- Read the A_L value of CM270125 using the A_L vs NI curve on page 43.
 A_L value of CM270125 yields 92.6 when NI is 220.
- Calculate L at 10 Ampere by using formula; $LN = A_L \times N^2 \times 10^{-3} (\mu H)$
Therefore,

$$\begin{aligned} L (@10A) &= 92.6 \times 22^2 \times 0.001 \\ &= 44.8 (\mu H) \end{aligned}$$

※ Inductance calculation by Permeability vs DC Bias Curve is also available on 43Page

OD035

OD 3.56mm / 0.140inch



ID 1.78mm
HT 1.52mm

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	3.56	1.78	1.52
	(inch)	0.140	0.070	0.060
After coating (parlyene-C)	(mm)	3.76	1.58	1.72
	(inch)	0.148	0.062	0.068

Magnetic Dimensions

Cross Section (A)	Path Length (l)	Window Area (Wa)	Volume (V)
0.0137cm ²	0.817cm	0.018cm ²	0.010746cm ³
0.002in ²	0.317in	3,600cmil	0.000656in ³

Available Cores

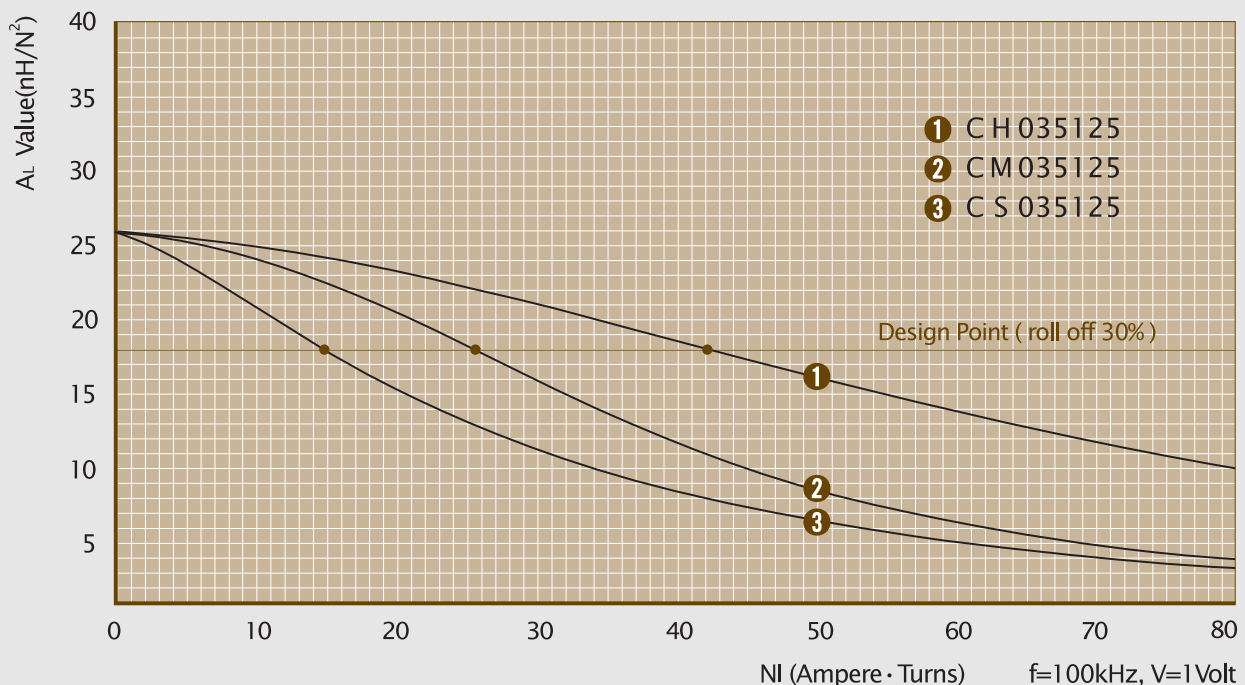
Part No.				AL (nH/N ²)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux®		
-	-	-	-	-	26
CM035060	CH035060	CS035060	CK035060	13	60
-	-	CS035075	CK035075	16	75
-	-	CS035090	CK035090	19	90
CM035125	CH035125	CS035125	-	26	125
CM035147	-	-	-	31	147
CM035160	-	-	-	33	160
-	-	-	-	-	173
-	-	-	-	-	200

Winding Information

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia(cm)	Turn	Rdc,Ω	No.	Dia(cm)	Turn	Rdc,Ω
28	0.0366	9	0.0237	37	0.0140	27	0.363
29	0.0330	10	0.0314	38	0.0124	30	0.503
30	0.0294	11	0.0431	39	0.0199	35	0.727
31	0.0267	13	0.0581	40	0.0096	40	1.02
32	0.0241	14	0.0768	41	0.00863	44	1.37
33	0.0216	16	0.105	42	0.00762	50	1.90
34	0.0191	19	0.146	43	0.00685	56	2.67
35	0.0170	21	0.200	44	0.00635	60	3.45
36	0.0152	24	0.272				

Single layer winding with 1 inch leads

AL vs NI Curve (125μ)



OD039

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 (W_a)	Volume (V)
0.0211cm ²	0.942cm	0.0308cm ²	0.019670cm ³
0.003245in ²	0.370inch	6,080cmil	0.001200in ³

OD 3.94mm / 0.155inch

ID 2.24mm
HT 2.54mm



Winding Information

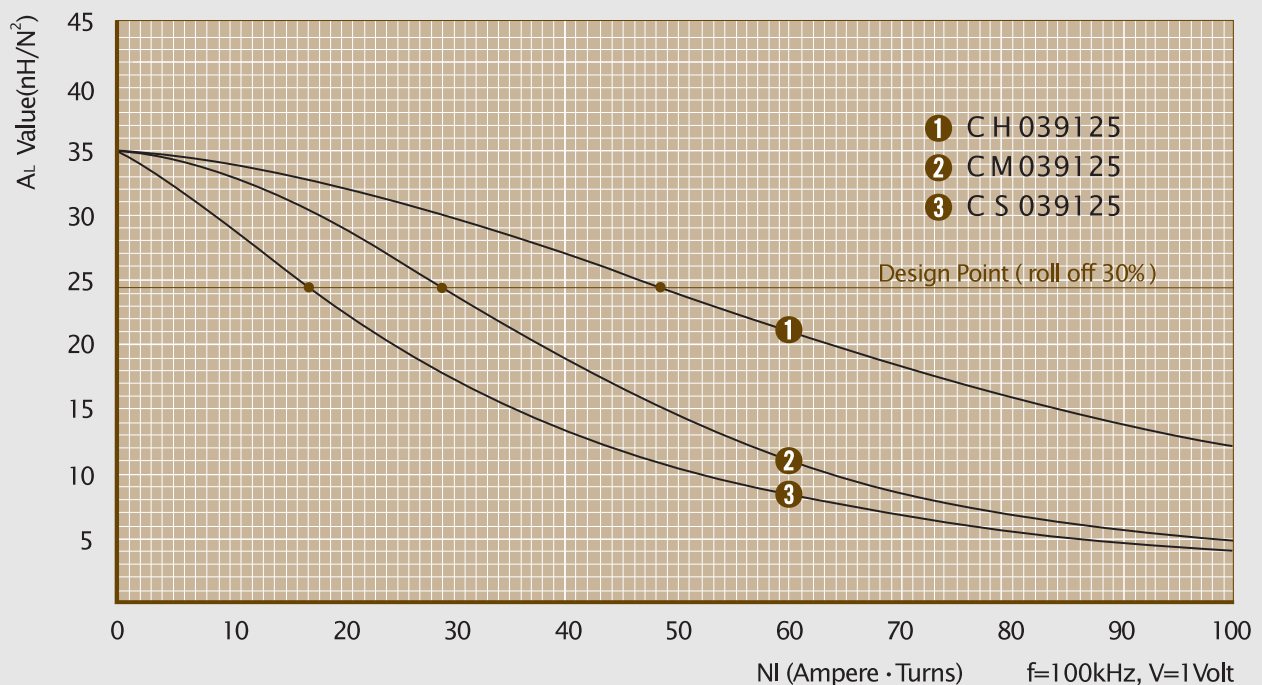
AWG Wire No.	Dia(cm)	Single Layer Turn	Rdc, Ω	AWG Wire No.	Dia(cm)	Single Layer Turn	Rdc, Ω
27	0.0409	11	0.0248	36	0.0152	33	0.430
28	0.0366	12	0.0342	37	0.0140	36	0.579
29	0.0330	14	0.0458	38	0.0124	41	0.807
30	0.0294	16	0.0638	39	0.0109	47	1.18
31	0.0267	18	0.0869	40	0.0096	53	1.67
32	0.0241	20	0.116	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

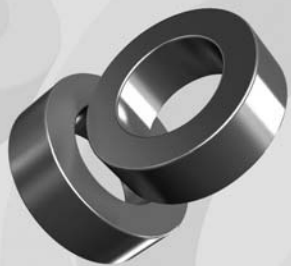
MPP	High Flux	Sendust	Mega Flux®	AL (nH/N ²)	Perm. (μ)
-	-	-	-	-	26
CM039060	CH039060	CS039060	CK039060	17	60
-	-	CS039075	CK039075	21	75
-	-	CS039090	CK039090	25	90
CM039125	CH039125	CS039125	-	35	125
CM039147	-	-	-	41	147
CM039160	-	-	-	45	160
-	-	-	-	-	173
-	-	-	-	-	200

AL vs NI Curve (125 μ)



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 (parlyene-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

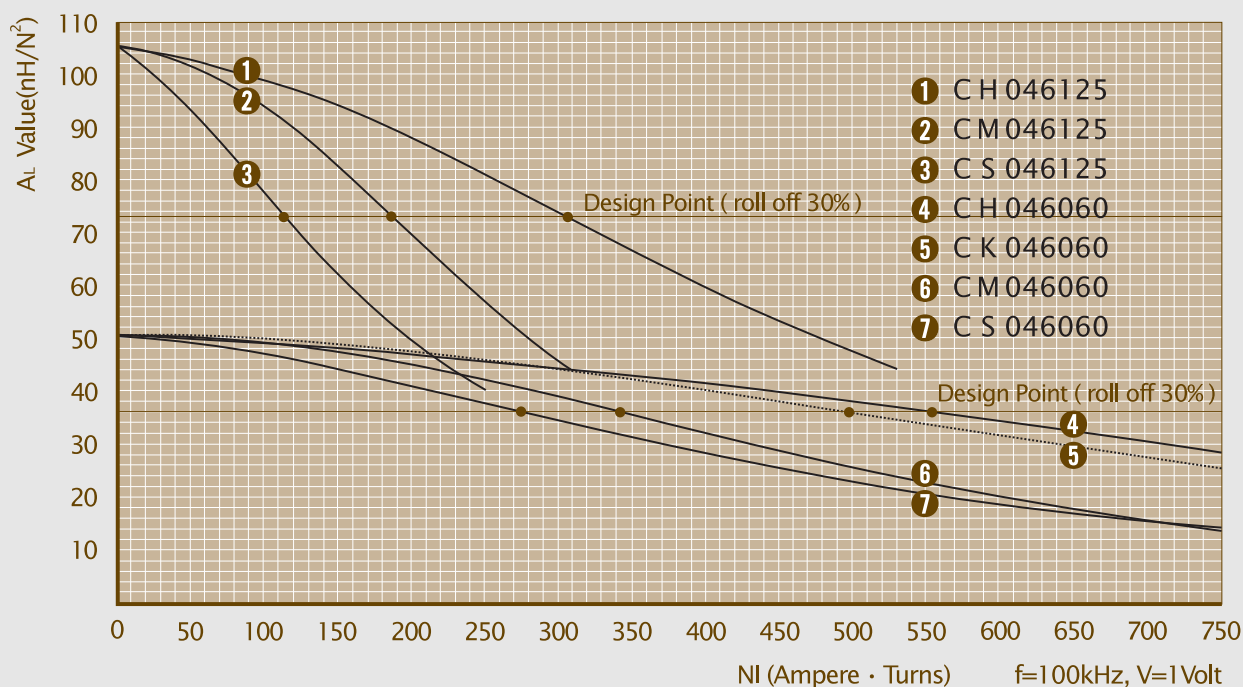
Part No.				AL (nH/N ²)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux®		
-	-	-	-	-	26
CM046060	CH046060	CS046060	CK046060	20	60
-	-	CS046075	CK046075	25	75
-	-	CS046090	CK046090	30	90
CM046125	CH046125	CS046125	-	42	125
CM046147	-	-	-	49	147
CM046160	-	-	-	53	160
-	-	-	-	-	173
-	-	-	-	-	200

Winding Information

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



OD063

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	6.35	2.79	2.79
	(inch)	0.250	0.110	0.110
After coating (Epoxy)	(mm)	6.99	2.29	3.43
	(inch)	0.275	0.090	0.135

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
0.0470cm ²	1.361cm	0.0412cm ²	0.064219cm ³
0.00729in ²	0.536in	8,100cmil	0.003919in ³

OD 6.35mm / 0.250inch

ID 2.79mm
HT 2.79mm



Winding Information

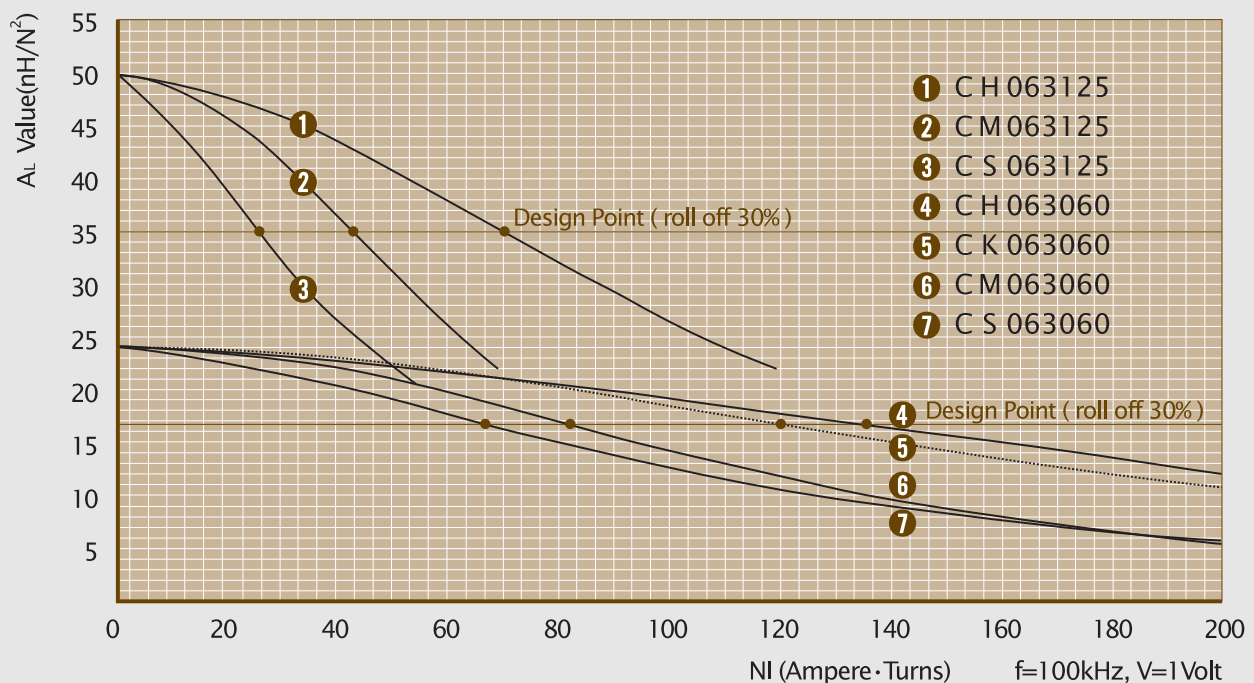
AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω	AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω
24	0.0566	8	0.0132	33	0.0216	26	0.238
25	0.0505	10	0.0183	34	0.0191	30	0.337
26	0.0452	11	0.0253	35	0.0170	34	0.470
27	0.0409	13	0.0346	36	0.0152	38	0.650
28	0.0366	14	0.0482	37	0.0140	42	0.880
29	0.0330	16	0.0653	38	0.0124	47	1.24
30	0.0294	19	0.0918	39	0.0109	54	1.82
31	0.0267	21	0.126	40	0.0096	61	2.59
32	0.0241	23	0.170	41	0.00863	68	3.50

Single layer winding with 1 inch leads

Available Cores

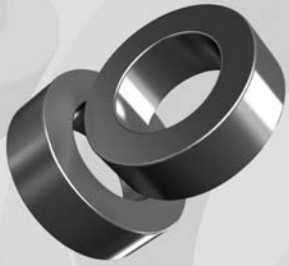
MPP	High Flux	Sendust	Mega Flux®	AL (nH/N ²)	Perm. (μ)
-	-	-	-	-	26
CM063060	CH063060	CS063060	CK063060	24	60
-	-	CS063075	CK063075	30	75
-	-	CS063090	CK063090	36	90
CM063125	CH063125	CS063125	-	50	125
CM063147	CH063147	-	-	59	147
CM063160	CH063160	-	-	64	160
CM063173	-	-	-	69	173
CM063200	-	-	-	80	200

AL vs NI Curve (60μ, 125μ)



OD066

OD 6.6mm / 0.260inch



ID 2.67mm
HT 2.54mm

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	6.6	2.67	2.54
	(inch)	0.260	0.105	0.100
After coating (parylene-C)	(mm)	7.24	2.29	3.18
	(inch)	0.285	0.090	0.125

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (W _a)	Volume (V)
0.0476cm ²	1.363cm	0.0412cm ²	0.063971cm ³
0.00738in ²	0.537in	8,100cmil	0.003904in ³

Available Cores

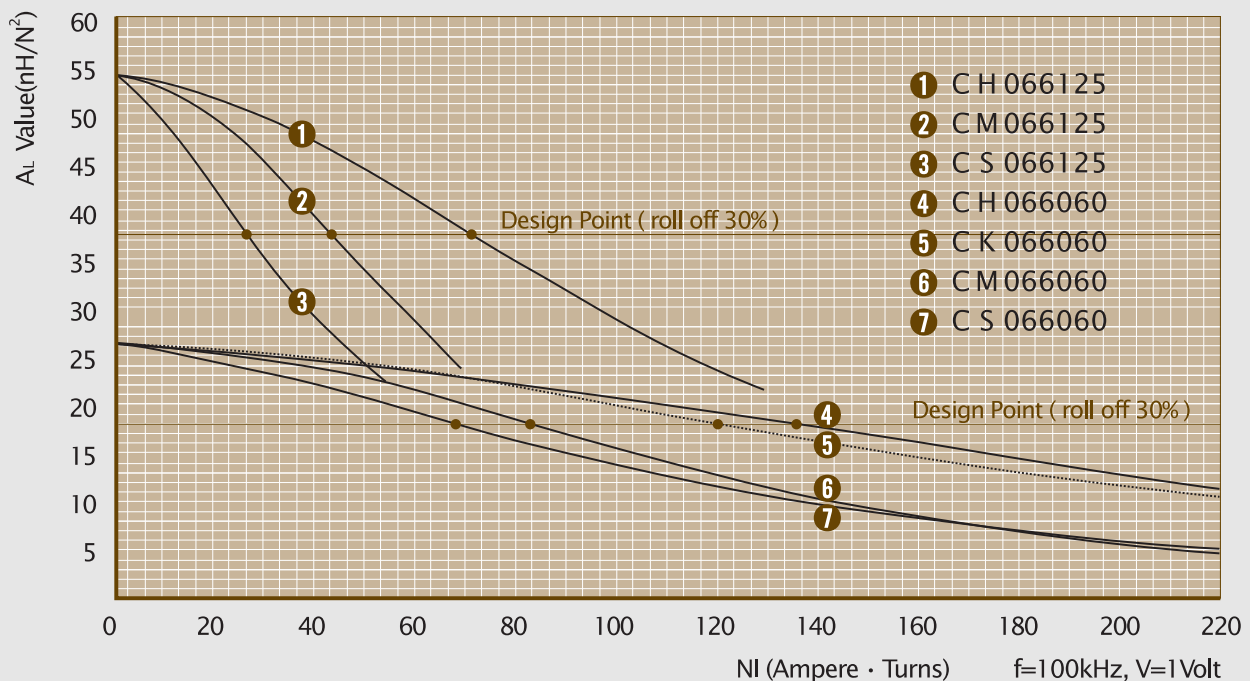
Part No.				A _L (nH/N ²)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux®		
CM066026	CH066026	-	-	11	26
CM066060	CH066060	CS066060	CK066060	26	60
-	-	CS066075	CK066075	32	75
-	-	CS066090	CK066090	39	90
CM066125	CH066125	CS066125	-	54	125
CM066147	CH066147	-	-	64	147
CM066160	CH066160	-	-	69	160
CM066173	-	-	-	75	173
CM066200	-	-	-	86	200

Winding Information

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia(cm)	Turn	Rdc,Ω	No.	Dia(cm)	Turn	Rdc,Ω
25	0.0505	10	0.0180	34	0.0191	30	0.330
26	0.0452	11	0.0249	35	0.0170	34	0.461
27	0.0409	13	0.0341	36	0.0152	38	0.637
28	0.0366	14	0.0474	37	0.0140	42	0.862
29	0.0330	16	0.0642	38	0.0124	47	1.21
30	0.0294	19	0.0902	39	0.0109	54	1.78
31	0.0267	21	0.124	40	0.0096	61	2.53
32	0.0241	23	0.167	41	0.00863	68	3.43
33	0.0216	26	0.233	42	0.00762	77	4.81

Single layer winding with 1 inch leads

■ A_L vs NI Curve (60μ, 125μ)



OD067

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	6.6	2.67	4.78
	(inch)	0.260	0.105	0.188
After coating (Epoxy)	(mm)	7.32	2.21	5.54
	(inch)	0.288	0.087	0.218

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
0.0920cm ²	1.363cm	0.0384cm ²	0.1254cm ³
0.01426in ²	0.537in	7,570cmil	0.007443in ³

OD 6.6mm / 0.260inch

ID 2.67mm
HT 4.78mm



Winding Information

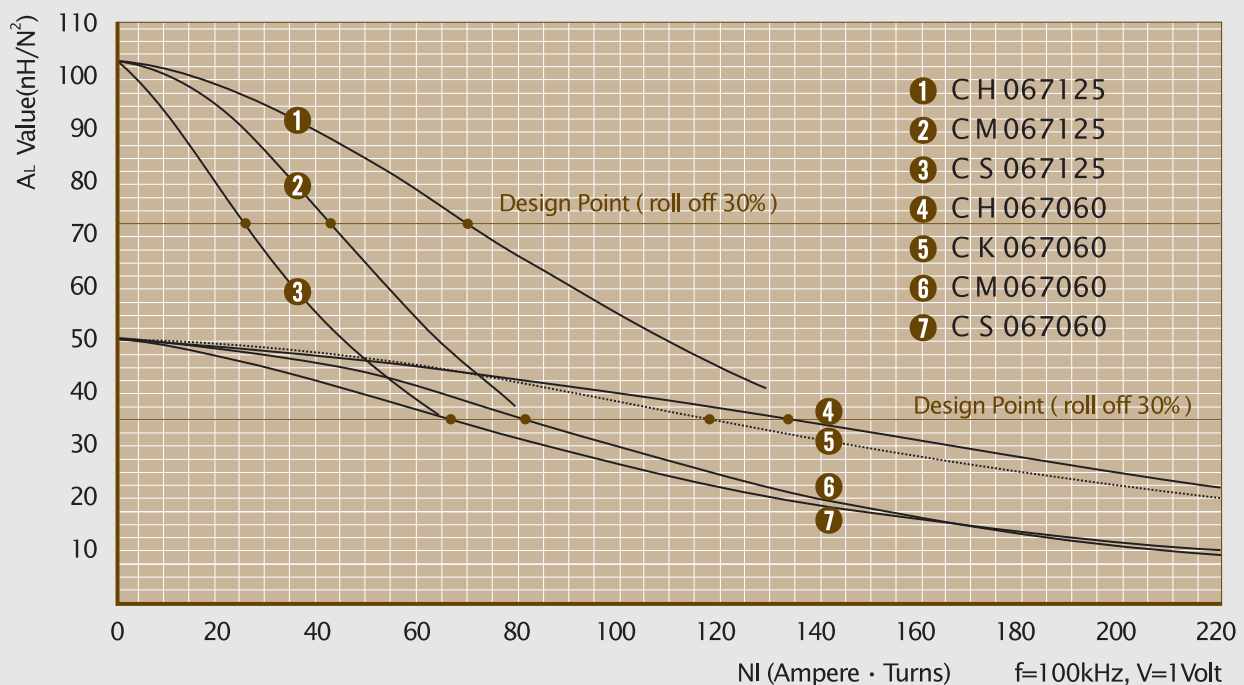
AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω	AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω
25	0.0505	9	0.0223	34	0.0191	29	0.440
26	0.0452	11	0.0312	35	0.0170	32	0.617
27	0.0409	12	0.0431	36	0.0152	36	0.857
28	0.0366	14	0.0605	37	0.0140	40	1.17
29	0.0330	16	0.0826	38	0.0124	45	1.64
30	0.0294	18	0.117	39	0.0109	52	2.42
31	0.0267	20	0.162	40	0.0096	59	3.46
32	0.0241	22	0.220	41	0.00863	66	4.70
33	0.0216	25	0.309	42	0.00762	74	6.62

Single layer winding with 1 inch leads

Available Cores

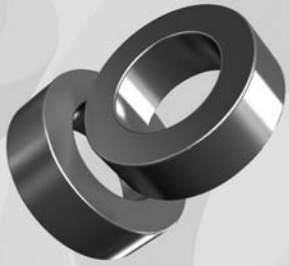
MPP	High Flux	Sendust	Mega Flux®	AL (nH/N ²)	Perm. (μ)
CM067026	CH067026	-	-	21	26
CM067060	CH067060	CS067060	CK067060	50	60
-	-	CS067075	CK067075	62	75
-	-	CS067090	CK067090	74	90
CM067125	CH067125	CS067125	-	103	125
CM067147	CH067147	-	-	122	147
CM067160	CH067160	-	-	132	160
CM067173	-	-	-	144	173
CM067200	-	-	-	165	200

■ AL vs NI Curve (60μ, 125μ)



OD068

OD 6.86mm / 0.270inch



ID 3.96mm
HT 5.08mm

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	6.86	3.96	5.08
	(inch)	0.270	0.156	0.200
After coating (parlyene-C)	(mm)	7.62	3.45	5.72
	(inch)	0.300	0.136	0.225

Magnetic Dimensions

Cross Section (A)	Path Length (l)	Window Area (Wa)	Volume (V)
0.0725cm ²	1.65cm	0.0934cm ²	0.126009cm ³
0.01124in ²	0.650in	18,500cmil	0.007693in ³

Available Cores

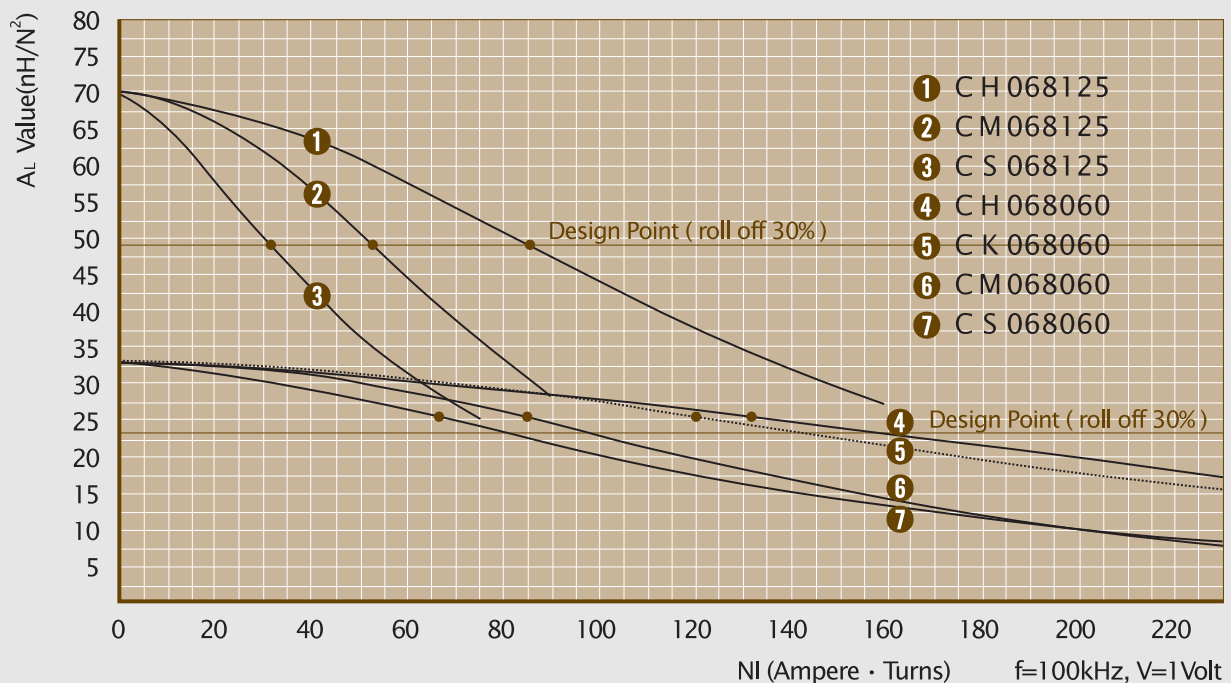
Part No.				AL (nH/N ²)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux®		
CM068026	CH068026	-	-	14	26
CM068060	CH068060	CS068060	CK068060	33	60
-	-	CS068075	CK068075	42	75
-	-	CS068090	CK068090	50	90
CM068125	CH068125	CS068125	-	70	125
CM068147	CH068147	-	-	81	147
CM068160	CH068160	-	-	89	160
CM068173	-	-	-	95	173
CM068200	-	-	-	112	200

Winding Information

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia(cm)	Turn	Rdc,Ω	No.	Dia(cm)	Turn	Rdc,Ω
21	0.0785	9	0.00902	30	0.0294	29	0.177
22	0.0701	11	0.0126	31	0.0267	33	0.244
23	0.0632	12	0.0174	32	0.0241	36	0.331
24	0.0566	14	0.0242	33	0.0216	41	0.466
25	0.0505	16	0.0338	34	0.0191	46	0.664
26	0.0452	18	0.0472	35	0.0170	52	0.932
27	0.0409	21	0.0651	36	0.0152	58	1.29
28	0.0366	23	0.0915	37	0.0140	65	1.76
29	0.0330	26	0.125	38	0.0124	73	2.48

Single layer winding with 1 inch leads

AL vs NI Curve (60μ, 125μ)



OD078

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	7.87	3.96	3.18
	(inch)	0.310	0.156	0.125
After coating (Epoxy)	(mm)	8.51	3.43	3.81
	(inch)	0.335	0.135	0.150

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
0.0615cm ²	1.787cm	0.0922cm ²	0.1099cm ³
0.00953in ²	0.704in	18,200cmil	0.0067in ³

OD 7.87mm / 0.310inch

ID 3.96mm
HT 3.18mm



Winding Information

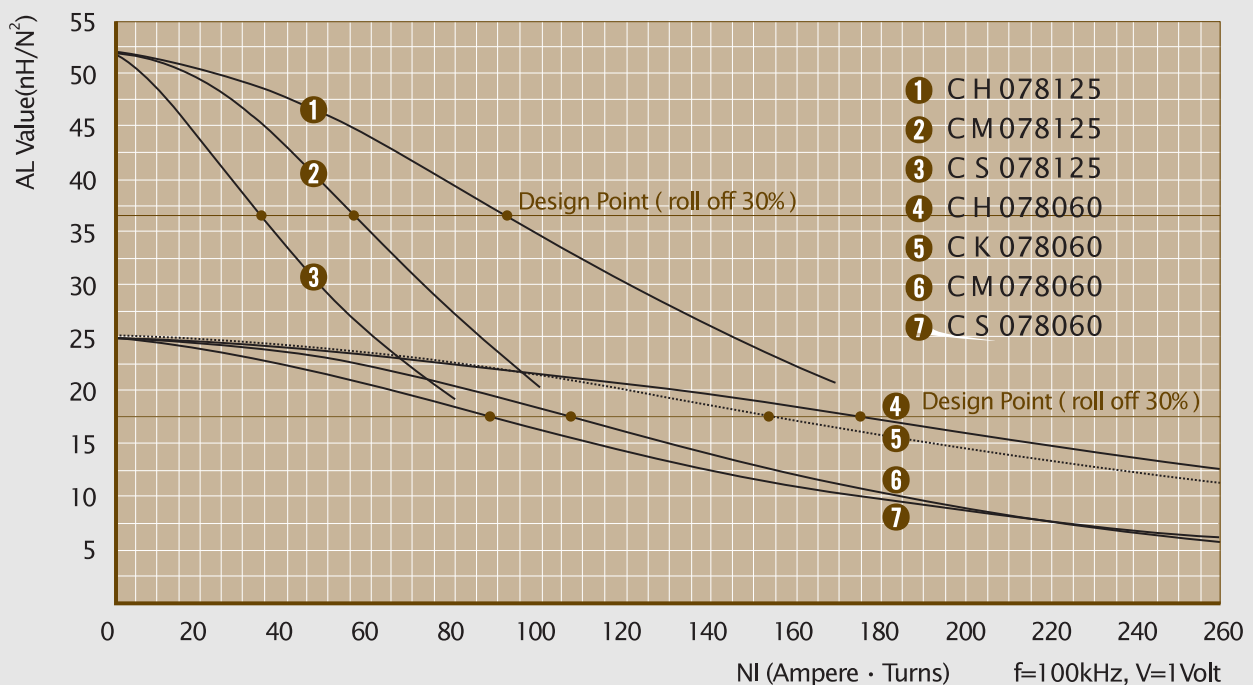
AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω	AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω
21	0.0785	9	0.0078	30	0.0294	29	0.146
22	0.0701	11	0.0108	31	0.0267	33	0.201
23	0.0632	12	0.0148	32	0.0241	36	0.272
24	0.0566	14	0.0206	33	0.0216	41	0.382
25	0.0505	16	0.0285	34	0.0191	46	0.543
26	0.0452	18	0.0397	35	0.0170	52	0.760
27	0.0409	20	0.0545	36	0.0152	58	1.05
28	0.0366	23	0.0762	37	0.0140	64	1.43
29	0.0330	26	0.104	38	0.0124	72	2.01

Single layer winding with 1 inch leads

Available Cores

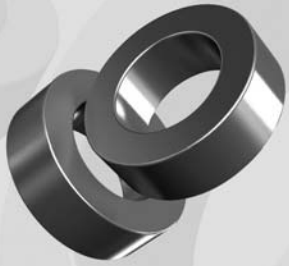
MPP	High Flux	Sendust	Mega Flux®	AL (nH/N ²)	Perm. (μ)
CM078026	CH078026	-	-	11	26
CM078060	CH078060	CS078060	CK078060	25	60
-	-	CS078075	CK078075	31	75
-	-	CS078090	CK078090	37	90
CM078125	CH078125	CS078125	-	52	125
CM078147	CH078147	-	-	62	147
CM078160	CH078160	-	-	66	160
CM078173	-	-	-	73	173
CM078200	-	-	-	83	200

AL vs NI Curve (60μ, 125μ)



OD096

OD 9.65mm / 0.380inch



ID 4.78mm
HT 3.18mm

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	9.65	4.78	3.18
	(inch)	0.380	0.188	0.125
After coating	(mm)	10.29	4.27	3.81
(parylene-C)	(inch)	0.405	0.168	0.150

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (W _a)	Volume (V)
0.0752cm ²	2.18cm	0.1429cm ²	0.1639cm ³
0.01166in ²	0.859in	28,200cmil	0.0100in ³

Available Cores

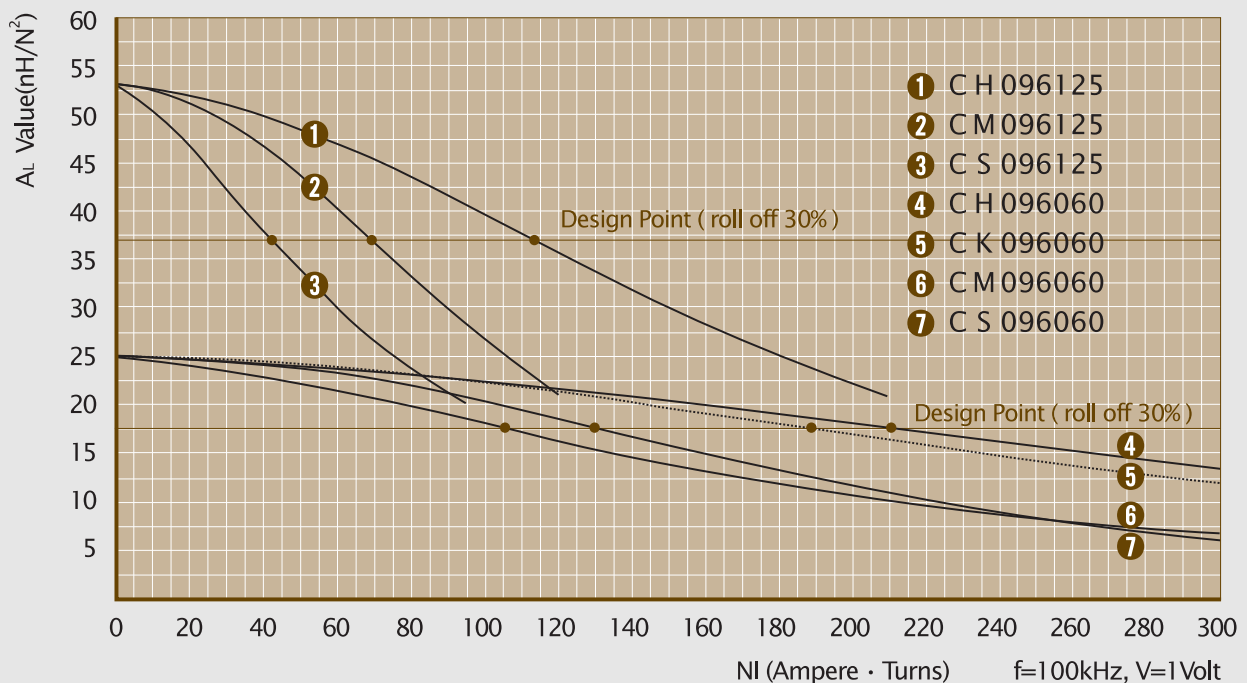
Part No.				A _L (nH/N ²)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux®		
CM096026	CH096026	-	-	11	26
CM096060	CH096060	CS096060	CK096060	25	60
-	-	CS096075	CK096075	32	75
-	-	CS096090	CK096090	38	90
CM096125	CH096125	CS096125	-	53	125
CM096147	CH096147	-	-	63	147
CM096160	CH096160	-	-	68	160
CM096173	-	-	-	74	173
CM096200	-	-	-	84	200

Winding Information

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia(cm)	Turn	Rdc,Ω	No.	Dia(cm)	Turn	Rdc,Ω
19	0.0980	9	0.0053	28	0.0366	29	0.100
20	0.0879	11	0.0073	29	0.0330	33	0.136
21	0.0785	12	0.0101	30	0.0294	37	0.193
22	0.0701	14	0.0141	31	0.0267	41	0.266
23	0.0632	16	0.0193	32	0.0241	46	0.360
24	0.0566	18	0.0268	33	0.0216	51	0.505
25	0.0505	21	0.0372	34	0.0191	58	0.719
26	0.0452	23	0.0519	35	0.0170	65	1.01
27	0.0409	26	0.0714	36	0.0152	73	1.40

Single layer winding with 1 inch leads

■ A_L vs NI Curve (60μ, 125μ)



OD097

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	9.65	4.78	3.96
	(inch)	0.380	0.188	0.156
After coating (Epoxy)	(mm)	10.29	4.27	4.57
	(inch)	0.405	0.168	0.180

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
0.0945cm ²	2.18cm	0.1429cm ²	0.2060cm ³
0.01465in ²	0.859in	28,200cmil	0.01258in ³

OD 9.65mm / 0.380inch

ID 4.78mm
HT 3.96mm



Winding Information

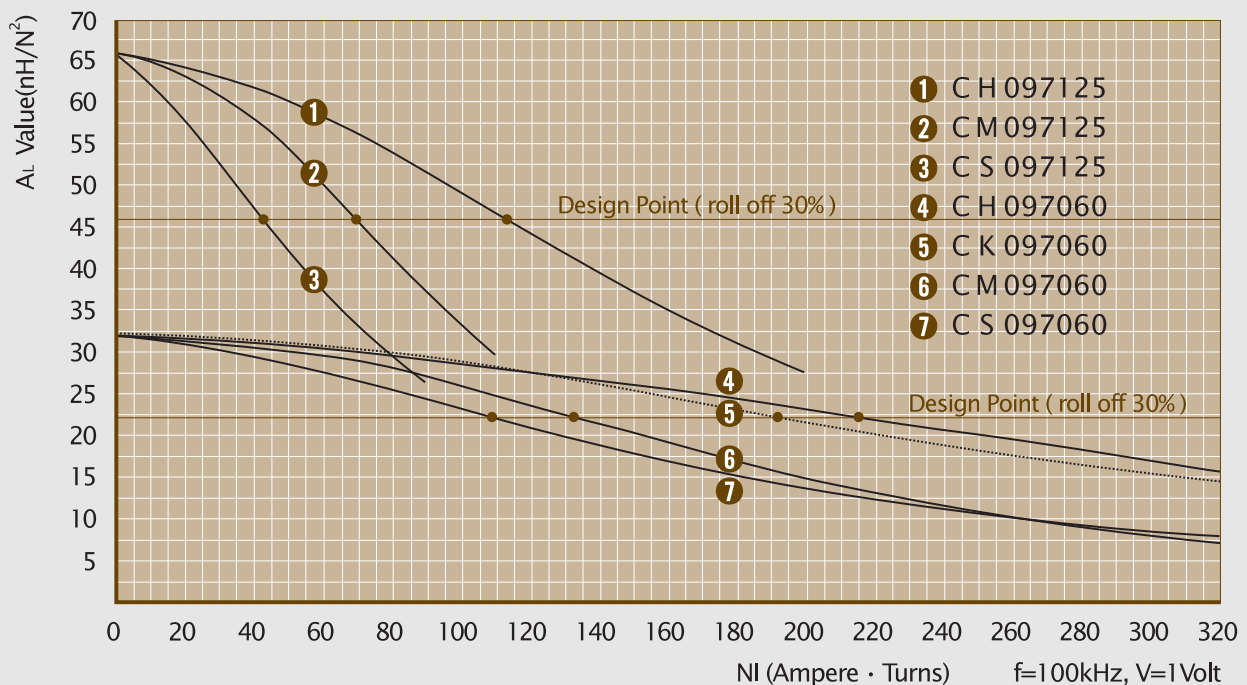
AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc, Ω	AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc, Ω
19	0.0980	9	0.00567	28	0.0366	29	0.110
20	0.0879	11	0.00783	29	0.0330	33	0.150
21	0.0785	12	0.0109	30	0.0294	37	0.212
22	0.0701	14	0.0152	31	0.0267	41	0.293
23	0.0632	16	0.0209	32	0.0241	46	0.397
24	0.0566	18	0.0291	33	0.0216	51	0.558
25	0.0505	21	0.0405	34	0.0191	58	0.795
26	0.0452	23	0.0567	35	0.0170	65	1.12
27	0.0409	26	0.0782	36	0.0152	73	1.55

Single layer winding with 1 inch leads

Available Cores

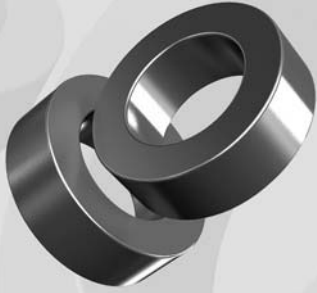
MPP	High Flux	Sendust	Mega Flux®	AL (nH/N ²)	Perm. (μ)
CM097026	CH097026	-	-	14	26
CM097060	CH097060	CS097060	CK097060	32	60
-	-	CS097075	CK097075	40	75
-	-	CS097090	CK097090	48	90
CM097125	CH097125	CS097125	-	66	125
CM097147	CH097147	-	-	78	147
CM097160	CH097160	-	-	84	160
CM097173	-	-	-	92	173
CM097200	-	-	-	105	200

■ AL vs NI Curve (60μ, 125μ)



OD 102

OD 10.16mm / 0.400inch



ID 5.08mm
HT 3.96mm

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	10.16	5.08	3.96
	(inch)	0.400	0.200	0.156
After coating	(mm)	10.80	4.57	4.57
(parylene-C)	(inch)	0.425	0.180	0.180

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (W_a)	Volume (V)
0.1000cm ²	2.38cm	0.164cm ²	0.2380cm ³
0.01550in ²	0.906in	32,400cmil	0.0140in ³

Available Cores

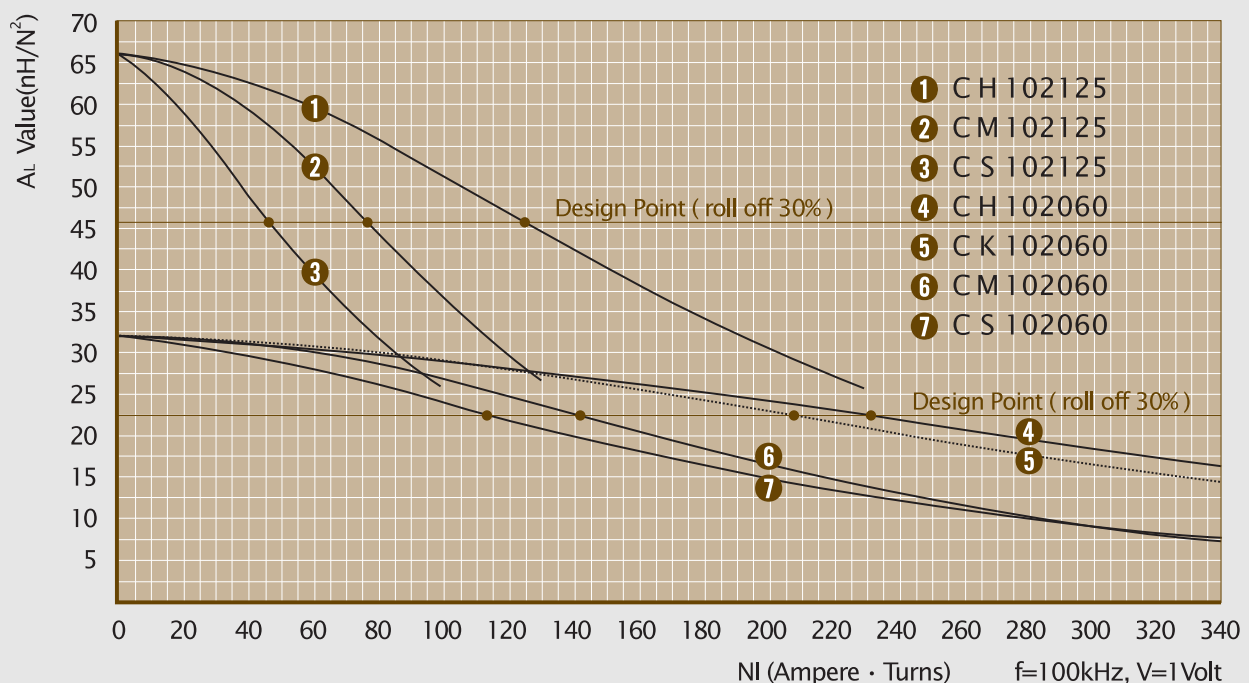
Part No.				AL (nH/N ²)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux®		
CM102026	CH102026	-	-	14	26
CM102060	CH102060	CS102060	CK102060	32	60
-	-	CS102075	CK102075	40	75
-	-	CS102090	CK102090	48	90
CM102125	CH102125	CS102125	-	66	125
CM102147	CH102147	-	-	78	147
CM102160	CH102160	-	-	84	160
CM102173	-	-	-	92	173
CM102200	-	-	-	105	200

Winding Information

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia(cm)	Turn	Rdc, Ω	No.	Dia(cm)	Turn	Rdc, Ω
18	0.109	9	0.00442	27	0.0409	28	0.0846
19	0.0980	10	0.00613	28	0.0366	32	0.119
20	0.0879	12	0.00847	29	0.0330	35	0.162
21	0.0785	13	0.0118	30	0.0294	40	0.230
22	0.0701	15	0.0164	31	0.0267	44	0.317
23	0.0632	17	0.0226	32	0.0241	49	0.430
24	0.0566	20	0.0315	33	0.0216	55	0.605
25	0.0505	22	0.0439	34	0.0191	62	0.862
26	0.0452	25	0.0614	35	0.0170	70	1.21

Single layer winding with 1 inch leads

■ AL vs NI Curve (60 μ , 125 μ)



OD112

TOROIDAL MAGNETIC POWDER CORES

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 ²	2.69cm	0.273cm ²	0.2437cm ³
0.01403in ²	1.08in	53,800cmil	0.01515in ³

OD 11.18mm / 0.440inch

ID 6.35mm
HT 3.96mm



Winding Information

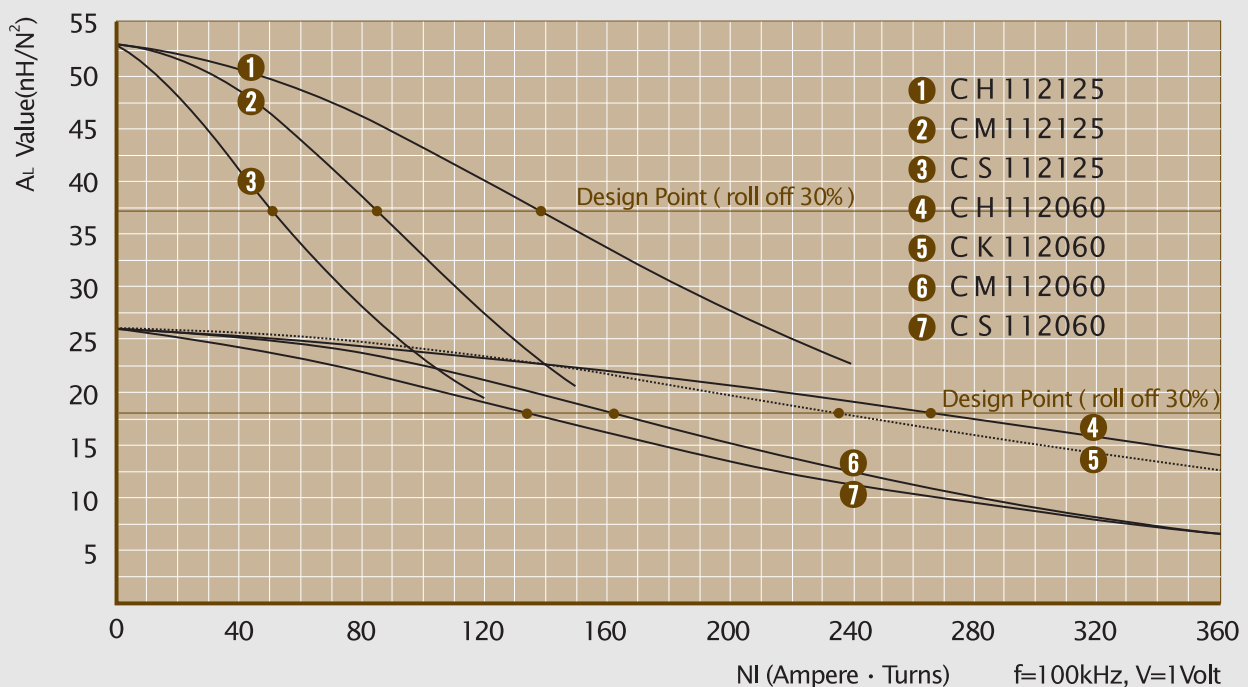
AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω	AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω
16	0.137	9	0.00299	25	0.0505	29	0.0566
17	0.122	11	0.00412	26	0.0452	33	0.0792
18	0.109	12	0.00572	27	0.0409	37	0.109
19	0.0980	14	0.00792	28	0.0366	42	0.153
20	0.0879	16	0.0109	29	0.0330	46	0.209
21	0.0785	18	0.0152	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

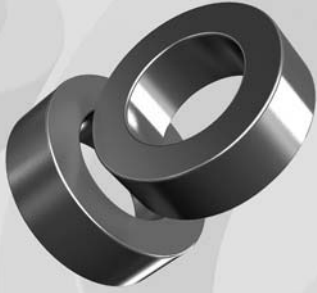
Part No.				AL	Perm.
MPP	High Flux	Sendust	Mega Flux®	(nH/N ²)	(μ)
CM112026	CH112026	CS112026	CK112026	11	26
CM112060	CH112060	CS112060	CK112060	26	60
-	-	CS112075	CK112075	32	75
-	-	CS112090	CK112090	38	90
CM112125	CH112125	CS112125	-	53	125
CM112147	CH112147	-	-	63	147
CM112160	CH112160	-	-	68	160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

■ AL vs NI Curve (60μ, 125μ)



OD127

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 (parlyene-C)	(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	0.383cm ²	0.35568cm ³
0.01767in ²	1.229in	75,600cmil	0.002172in ³

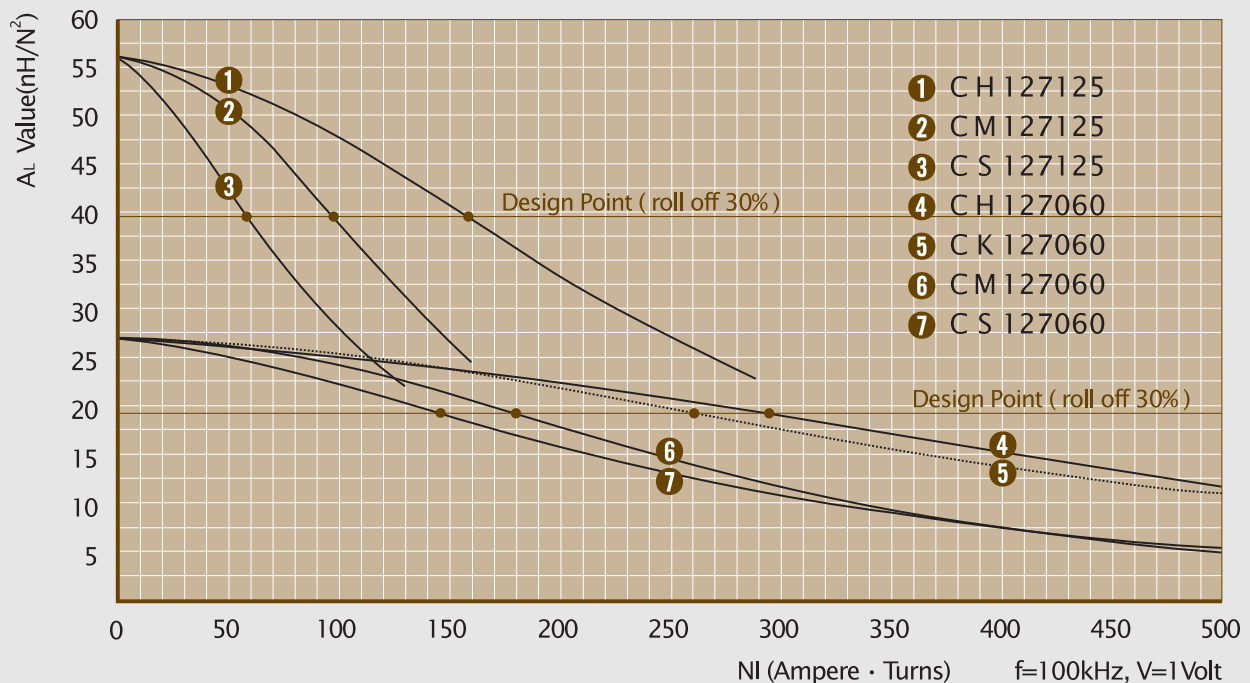
Available Cores

Part No.				A _L (nH/N ²)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux®		
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

Winding Information

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

■ A_L vs NI Curve (60μ, 125μ)

OD 166

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	16.51	10.16	6.35
	(inch)	0.650	0.400	0.250
After coating (Epoxy)	(mm)	17.40	9.53	7.11
	(inch)	0.680	0.375	0.280

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
0.1920cm ²	4.11cm	0.713cm ²	0.7891cm ³
0.0298in ²	1.619in	140,600cmil	0.0438in ³

OD 16.51mm / 0.650inch

ID 10.16mm
HT 6.35mm



Winding Information

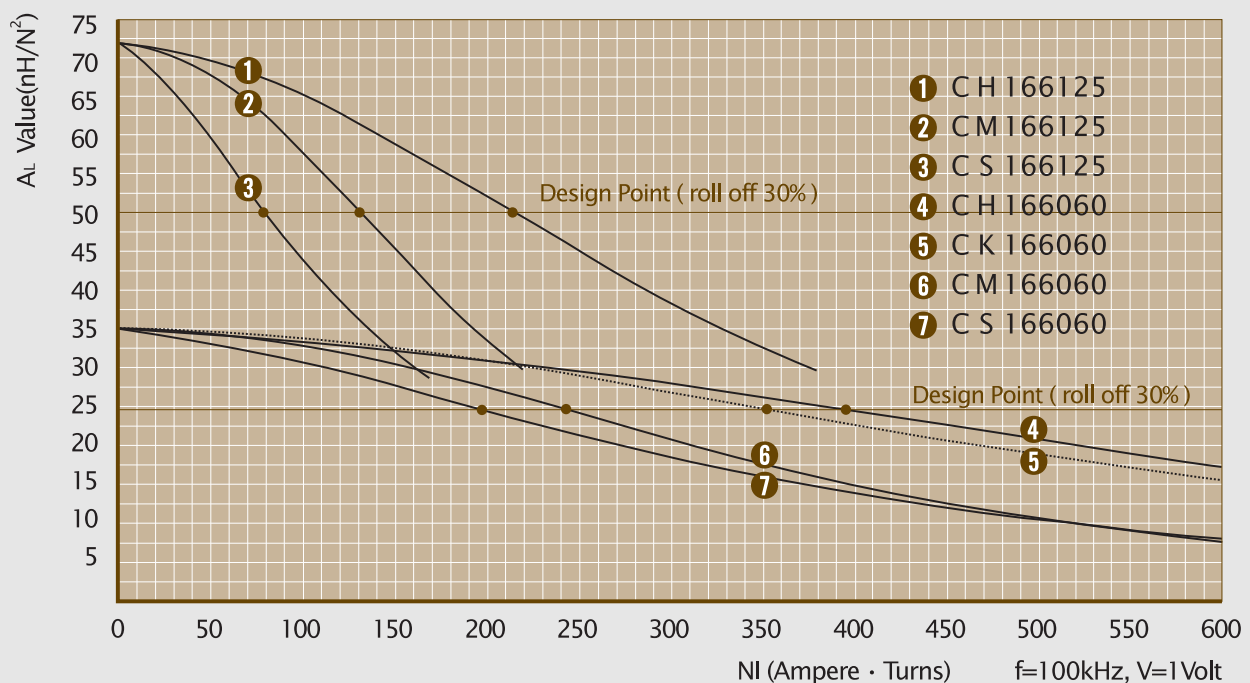
AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω	AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω
12	0.213	10	0.00165	21	0.0785	31	0.0323
13	0.190	11	0.00230	22	0.0701	35	0.0453
14	0.171	13	0.00318	23	0.0632	39	0.0626
15	0.153	15	0.00443	24	0.0566	44	0.0876
16	0.137	17	0.00617	25	0.0505	49	0.123
17	0.122	19	0.00856	26	0.0452	55	0.172
18	0.109	21	0.0119	27	0.0409	62	0.239
19	0.0980	24	0.0166	28	0.0366	69	0.336
20	0.0879	27	0.0231	29	0.0330	77	0.460

Single layer winding with 1 inch leads

Available Cores

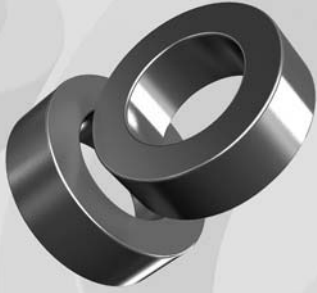
MPP	High Flux	Sendust	Mega Flux®	AL (nH/N ²)	Perm. (μ)
CM166026	CH166026	CS166026	CK166026	15	26
CM166060	CH166060	CS166060	CK166060	35	60
-	-	CS166075	CK166075	43	75
-	-	CS166090	CK166090	52	90
CM166125	CH166125	CS166125	-	72	125
CM166147	CH166147	-	-	88	147
CM166160	CH166160	-	-	92	160
CM166173	-	-	-	104	173
CM166200	-	-	-	115	200

AL vs NI Curve (60μ, 125μ)



OD 172

OD 17.27mm / 0.680inch

ID 9.65mm
HT 6.35mm

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	17.27	9.65	6.35
	(inch)	0.680	0.380	0.250
After coating (parlyene-C)	(mm)	18.03	9.02	7.11
	(inch)	0.710	0.355	0.280

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (W _a)	Volume (V)
0.232cm ²	4.14cm	0.683cm ²	0.9605cm ³
0.0360in ²	1.63in	126,000cmil	0.05868in ³

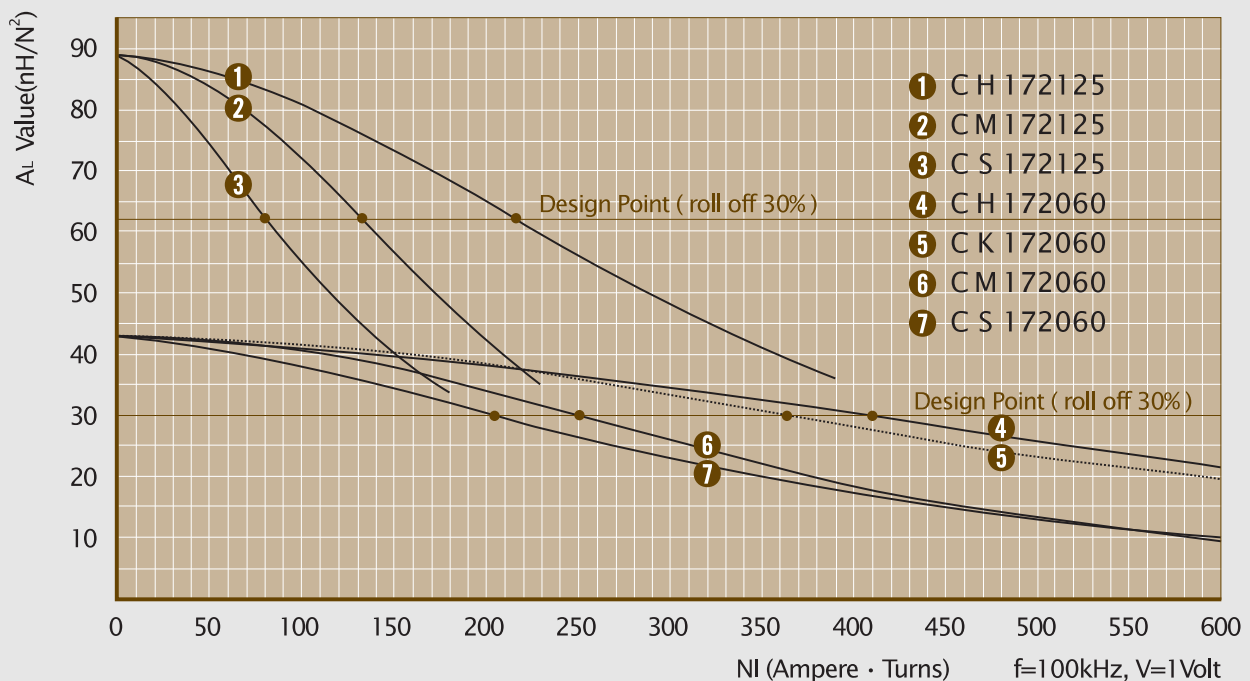
Available Cores

Part No.				A _L (nH/N ²)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux®		
CM172026	CH172026	CS172026	CK172026	19	26
CM172060	CH172060	CS172060	CK172060	43	60
-	-	CS172075	CK172075	53	75
-	-	CS172090	CK172090	64	90
CM172125	CH172125	CS172125	-	89	125
CM172147	CH172147	-	-	105	147
CM172160	CH172160	-	-	114	160
CM172173	-	-	-	123	173
CM172200	-	-	-	142	200

Winding Information

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia(cm)	Turn	Rdc,Ω	No.	Dia(cm)	Turn	Rdc,Ω
12	0.213	9	0.00161	21	0.0785	29	0.0319
13	0.190	10	0.00225	22	0.0701	33	0.0449
14	0.171	12	0.00311	23	0.0632	37	0.0621
15	0.153	14	0.00434	24	0.0566	41	0.0869
16	0.137	16	0.00606	25	0.0505	47	0.122
17	0.122	18	0.00843	26	0.0452	52	0.171
18	0.109	20	0.0118	27	0.0409	58	0.237
19	0.0980	23	0.0164	28	0.0366	65	0.334
20	0.0879	26	0.0228	29	0.0330	73	0.458

Single layer winding with 1 inch leads

■ A_L vs NI Curve (60μ, 125μ)

OD203

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	20.32	12.70	6.35
	(inch)	0.800	0.500	0.250
After coating (Epoxy)	(mm)	21.1	12.07	7.11
	(inch)	0.830	0.475	0.280

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
0.226cm ²	5.09cm	1.14cm ²	1.1510cm ³
0.035in ²	2.01in	225,600cmil	0.07035in ³

OD 20.32mm / 0.800inch

ID 12.70mm
HT 6.35mm



Winding Information

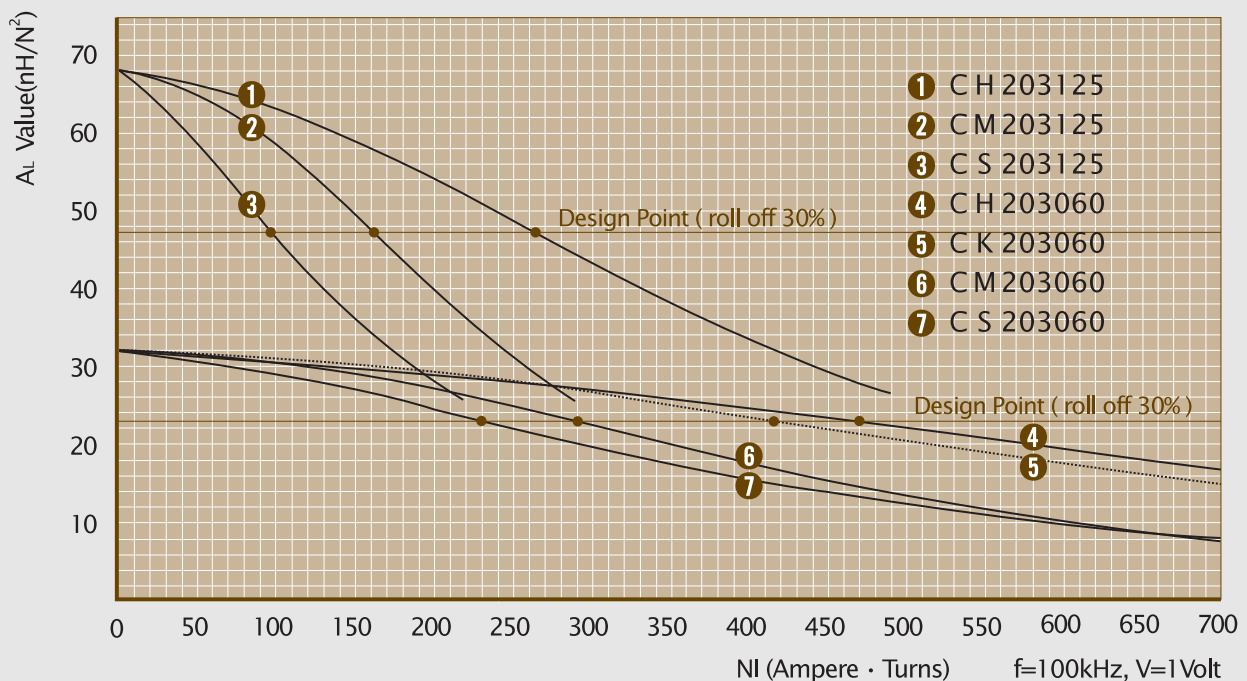
AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω	AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω
12	0.213	13	0.00221	21	0.0785	40	0.0430
13	0.190	15	0.00307	22	0.0701	45	0.0604
14	0.171	17	0.00424	23	0.0632	50	0.0834
15	0.153	19	0.00590	24	0.0566	56	0.117
16	0.137	22	0.00822	25	0.0505	63	0.164
17	0.122	25	0.0114	26	0.0452	71	0.230
18	0.109	28	0.0159	27	0.0409	79	0.318
19	0.0980	32	0.0222	28	0.0366	89	0.448
20	0.0879	35	0.0308	29	0.0330	98	0.614

Single layer winding with 1 inch leads

Available Cores

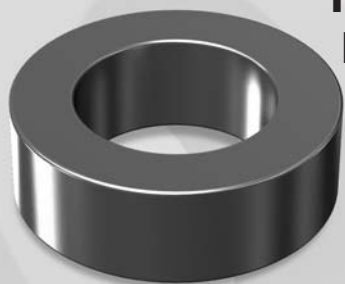
MPP	High Flux	Sendust	Mega Flux®	AL (nH/N ²)	Perm. (μ)
CM203026	CH203026	CS203026	CK203026	14	26
CM203060	CH203060	CS203060	CK203060	32	60
-	-	CS203075	CK203075	41	75
-	-	CS203090	CK203090	49	90
CM203125	CH203125	CS203125	-	68	125
CM203147	CH203147	-	-	81	147
CM203160	CH203160	-	-	87	160
CM203173	-	-	-	96	173
CM203200	-	-	-	109	200

AL vs NI Curve (60μ, 125μ)



OD229

OD 22.86mm / 0.900inch



ID 13.97mm
HT 7.62mm

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	22.86	13.97	7.62
	(inch)	0.900	0.550	0.300
After coating (parlylene-C)	(mm)	23.62	13.39	8.38
	(inch)	0.930	0.527	0.330

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (W _a)	Volume (V)
0.331cm ²	5.67cm	1.41cm ²	1.8771cm ³
00.0513in ²	2.23in	277,700cmil	0.11455in ³

Available Cores

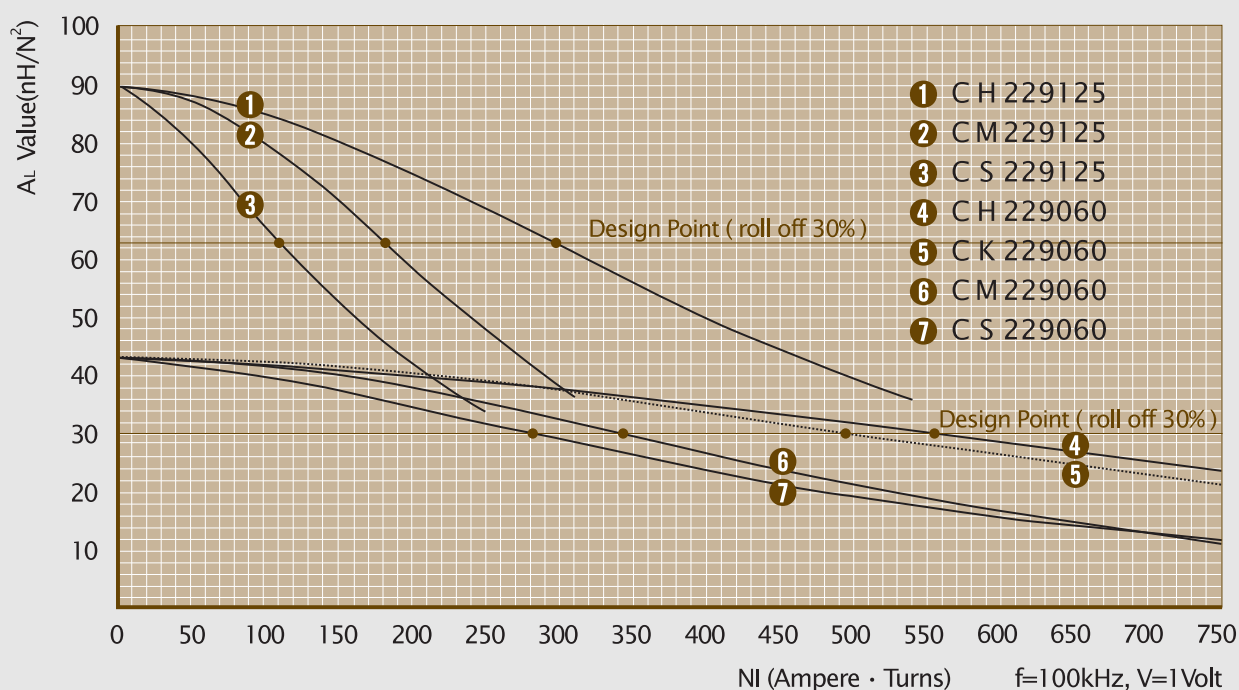
Part No.				A _L (nH/N ²)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux®		
CM229026	CH229026	CS229026	CK229026	19	26
CM229060	CH229060	CS229060	CK229060	43	60
-	-	CS229075	CK229075	54	75
-	-	CS229090	CK229090	65	90
CM229125	CH229125	CS229125	-	90	125
CM229147	CH229147	-	-	106	147
CM229160	CH229160	-	-	115	160
CM229173	-	-	-	124	173
CM229200	-	-	-	144	200

Winding Information

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia(cm)	Turn	Rdc, Ω	No.	Dia(cm)	Turn	Rdc, Ω
12	0.213	15	0.00276	21	0.0785	45	0.0548
13	0.190	17	0.00384	22	0.0701	50	0.0771
14	0.171	19	0.00532	23	0.0632	56	0.107
15	0.153	22	0.00742	24	0.0566	63	0.150
16	0.137	25	0.0104	25	0.0505	71	0.210
17	0.122	28	0.0144	26	0.0452	79	0.295
18	0.109	31	0.0202	27	0.0409	88	0.409
19	0.0980	35	0.0281	28	0.0366	99	0.577
20	0.0879	40	0.0392	29	0.0330	109	0.791

Single layer winding with 1 inch leads

■ A_L vs NI Curve (60μ, 125μ)



OD234

Core Dimensions

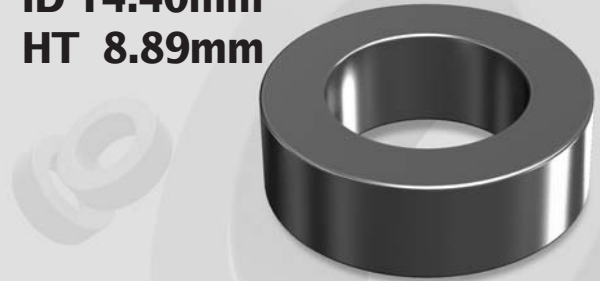
		OD(max)	ID(min)	HT(max)
Before coating	(mm)	23.57	14.40	8.89
	(inch)	0.928	0.567	0.350
After coating (Epoxy)	(mm)	24.30	13.77	9.70
	(inch)	0.956	0.542	0.382

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
0.388cm ²	5.88cm	1.49cm ²	2.2814cm ³
0.061in ²	2.32in	293,800cmil	0.1415in ³

OD 23.57mm / 0.928inch

ID 14.40mm
HT 8.89mm



Winding Information

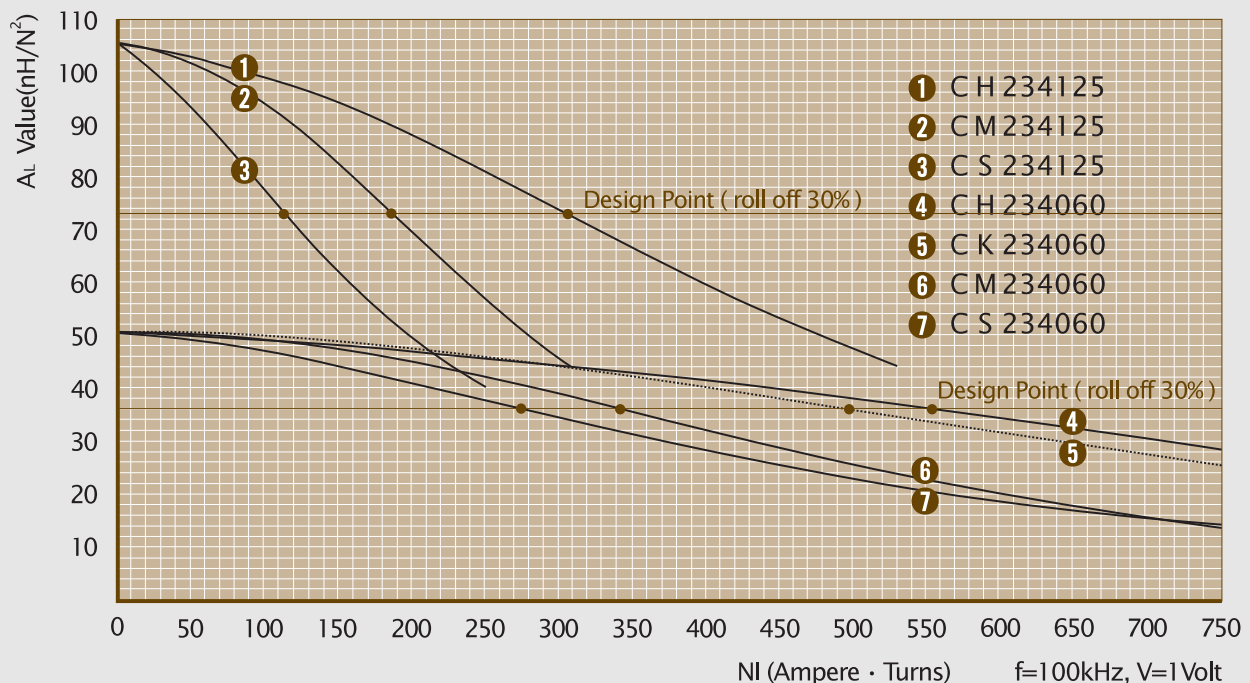
AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω	AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω
12	0.213	15	0.00307	21	0.0785	46	0.0620
13	0.190	17	0.00429	22	0.0701	52	0.0874
14	0.171	20	0.00595	23	0.0632	58	0.1210
15	0.153	22	0.00832	24	0.0566	65	0.170
16	0.137	25	0.0116	25	0.0505	73	0.238
17	0.122	29	0.0162	26	0.0452	81	0.336
18	0.109	32	0.0227	27	0.0409	91	0.465
19	0.0980	36	0.0318	28	0.0366	101	0.657
20	0.0879	41	0.0443	29	0.0330	112	0.901

Single layer winding with 1 inch leads

Available Cores

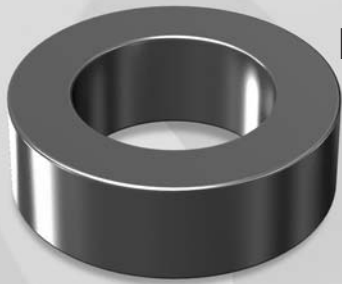
MPP	Part No.			AL (nH/N ²)	Perm. (μ)
	High Flux	Sendust	Mega Flux®		
CM234026	CH234026	CS234026	CK234026	22	26
CM234060	CH234060	CS234060	CK234060	51	60
-	-	CS234075	CK234075	63	75
-	-	CS234090	CK234090	76	90
CM234125	CH234125	CS234125	-	105	125
CM234147	CH234147	-	-	124	147
CM234160	CH234160	-	-	135	160
CM234173	-	-	-	146	173
CM234200	-	-	-	169	200

AL vs NI Curve (60μ, 125μ)



OD270

OD 26.92mm / 1.060inch

ID 14.73mm
HT 11.18mm

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	26.92	14.73	11.18
	(inch)	1.060	0.580	0.440
After coating	(mm)	27.70	14.10	11.99
(parlyene-C)	(inch)	1.090	0.555	0.472

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (W _a)	Volume (V)
0.654cm ²	6.35cm	1.56cm ²	4.154cm ³
0.1014in ²	2.50in	308,000cmil	0.2536in ³

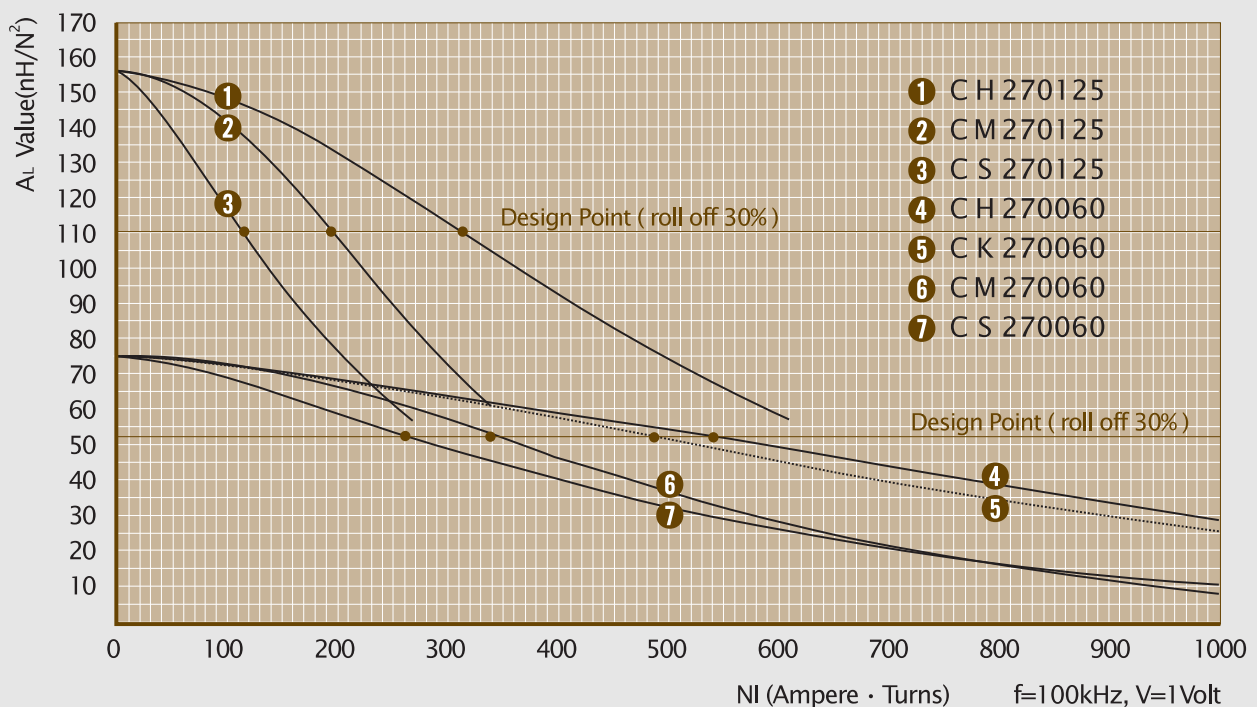
Available Cores

Part No.				A _L (nH/N ²)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux®		
CM270026	CH270026	CS270026	CK270026	32	26
CM270060	CH270060	CS270060	CK270060	75	60
-	-	CS270075	CK270075	94	75
-	-	CS270090	CK270090	113	90
CM270125	CH270125	CS270125	-	157	125
CM270147	CH270147	-	-	185	147
CM270160	CH270160	-	-	201	160
CM270173	-	-	-	217	173
CM270200	-	-	-	251	200

Winding Information

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia(cm)	Turn	Rdc,Ω	No.	Dia(cm)	Turn	Rdc,Ω
12	0.213	16	0.00367	21	0.0785	47	0.0759
13	0.190	18	0.00514	22	0.0701	53	0.107
14	0.171	20	0.00715	23	0.0632	59	0.149
15	0.153	23	0.0100	24	0.0566	66	0.209
16	0.137	26	0.0141	25	0.0505	74	0.294
17	0.122	29	0.0197	26	0.0452	83	0.414
18	0.109	33	0.0276	27	0.0409	93	0.575
19	0.0980	37	0.0387	28	0.0366	104	0.812
20	0.0879	42	0.0541	29	0.0330	115	1.11

Single layer winding with 1 inch leads

■ A_L vs NI Curve (60μ, 125μ)

OD330

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	33.02	19.94	10.67
	(inch)	1.300	0.785	0.420
After coating (Epoxy)	(mm)	33.83	19.30	11.61
	(inch)	1.332	0.760	0.457

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
00.672cm ²	8.15cm	2.93cm ²	5.4768cm ³
0.1042in ²	3.21in	577,600cmil	0.3345in ³

OD 33.02mm / 1.300inch

ID 19.94mm
HT 10.67mm



Winding Information

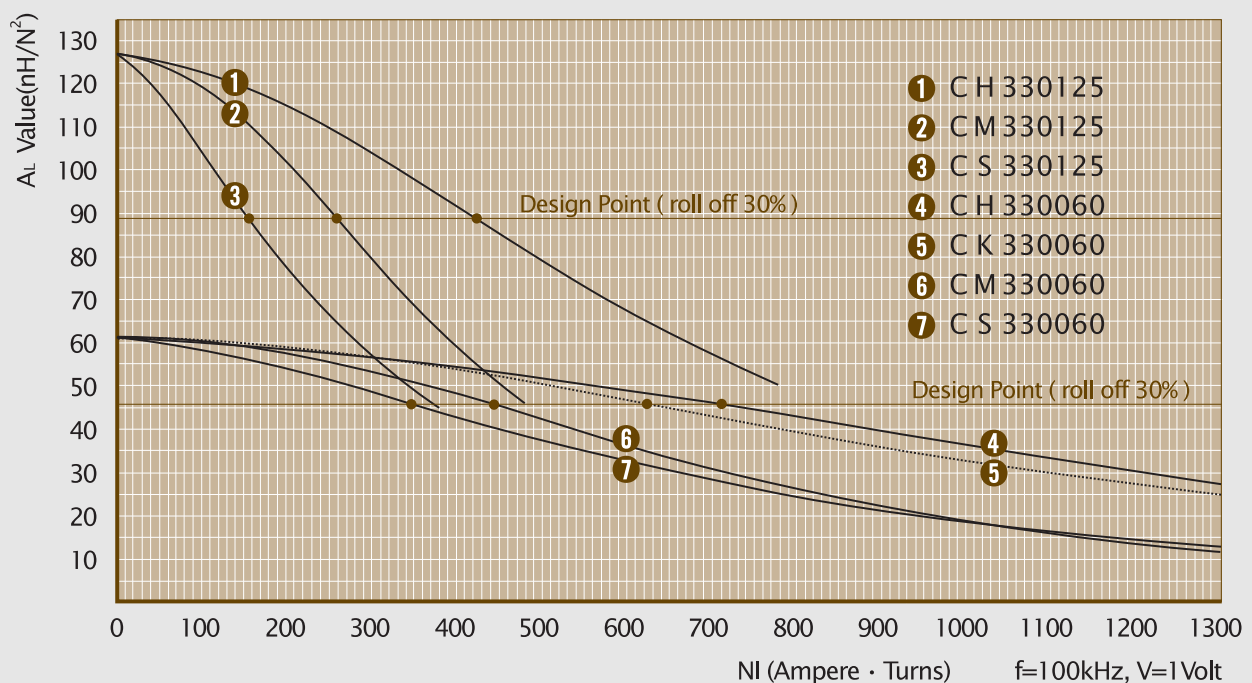
AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω	AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω
12	0.213	23	0.00517	21	0.0785	66	0.105
13	0.190	26	0.00722	22	0.0701	74	0.148
14	0.171	29	0.0100	23	0.0632	82	0.206
15	0.153	32	0.0140	24	0.0566	92	0.289
16	0.137	37	0.0197	25	0.0505	103	0.406
17	0.122	41	0.0274	26	0.0452	115	0.572
18	0.109	46	0.0384	27	0.0409	128	0.794
19	0.0980	52	0.0538	28	0.0366	143	1.12
20	0.0879	58	0.0750	29	0.0330	159	1.54

Single layer winding with 1 inch leads

Available Cores

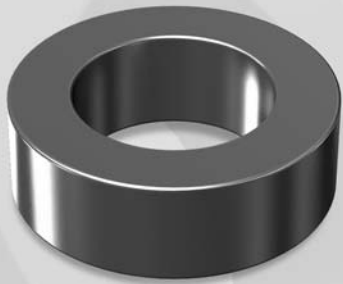
	Part No.				AL	Perm.
MPP	High Flux	Sendust	Mega Flux®		(nH/N ²)	(μ)
CM330026	CH330026	CS330026	CK330026	28	26	
CM330060	CH330060	CS330060	CK330060	61	60	
-	-	CS330075	CK330075	76	75	
-	-	CS330090	CK330090	91	90	
CM330125	CH330125	CS330125	-	127	125	
CM330147	CH330147	-	-	150	147	
CM330160	CH330160	-	-	163	160	
CM330173	-	-	-	176	173	
-	-	-	-	203	200	

AL vs NI Curve (60μ, 125μ)



OD343

OD 34.29mm / 1.350inch



ID 23.37mm
HT 8.89mm

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	34.29	23.37	8.89
	(inch)	1.350	0.920	0.350
After coating (parlyene-C)	(mm)	35.20	22.60	9.83
	(inch)	1.385	0.888	0.387

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
0.454cm ²	8.95cm	4.01cm ²	4.0633cm ³
0.0704in ²	3.53in	788,500cmil	0.2485in ³

Available Cores

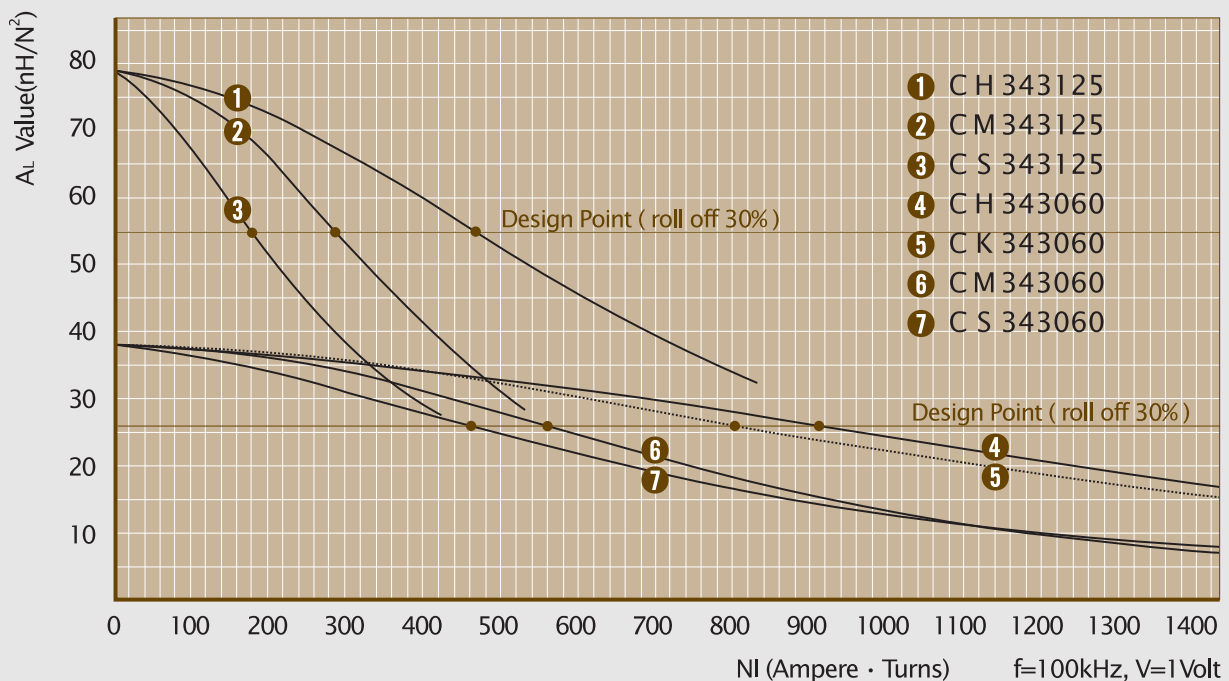
Part No.				AL (nH/N ²)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux®		
CM343026	CH343026	CS343026	CK343026	16	26
CM343060	CH343060	CS343060	CK343060	38	60
-	-	CS343075	CK343075	47	75
-	-	CS343090	CK343090	57	90
CM343125	CH343125	CS343125	-	79	125
CM343147	CH343147	-	-	93	147
CM343160	CH343160	-	-	101	160
CM343173	-	-	-	109	173
-	-	-	-	126	200

Winding Information

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia(cm)	Turn	Rdc,Ω	No.	Dia(cm)	Turn	Rdc,Ω
12	0.213	27	0.00533	21	0.0785	77	0.105
13	0.190	30	0.00740	22	0.0701	87	0.148
14	0.171	34	0.0102	23	0.0632	96	0.206
15	0.153	38	0.0143	24	0.0566	108	0.288
16	0.137	43	0.0199	25	0.0505	121	0.404
17	0.122	49	0.0277	26	0.0452	135	0.569
18	0.109	55	0.0388	27	0.0409	150	0.789
19	0.0980	61	0.0541	28	0.0366	168	1.11
20	0.0879	69	0.0754	29	0.0330	186	1.53

Single layer winding with 1 inch leads

■ AL vs NI Curve (60μ, 125μ)



OD358

Core Dimensions

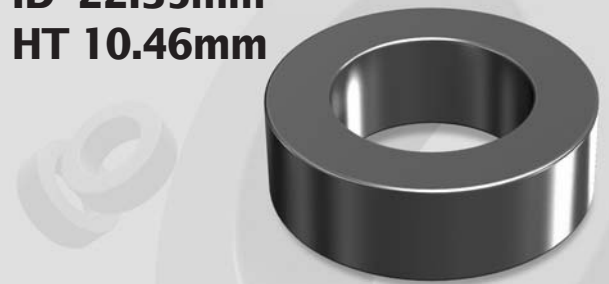
		OD(max)	ID(min)	HT(max)
Before coating	(mm)	35.81	22.35	10.46
	(inch)	1.410	0.880	0.412
After coating (Epoxy)	(mm)	36.70	21.50	11.28
	(inch)	1.445	0.848	0.444

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
0.678cm ²	8.98cm	3.64cm ²	6.0884cm ³
0.1051in ²	3.54in	719,100cmil	0.3721in ³

OD 35.81mm / 1.410inch

ID 22.35mm
HT 10.46mm



Winding Information

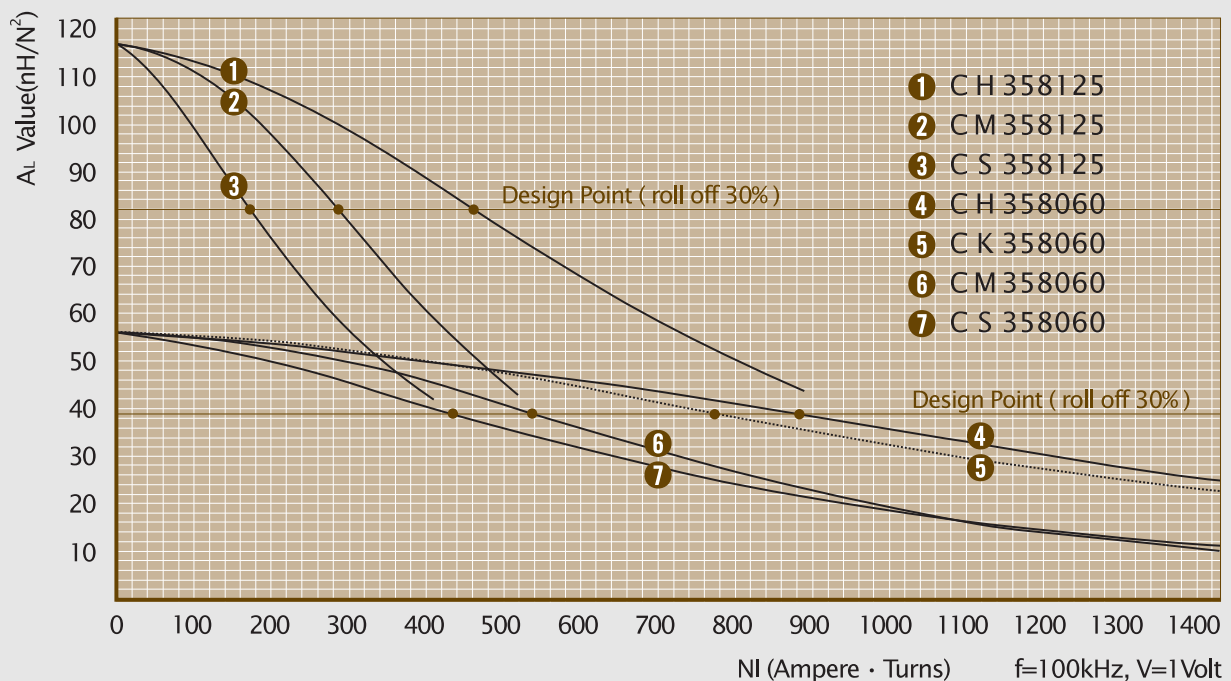
AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc, Ω	AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc, Ω
12	0.213	25	0.00579	21	0.0785	74	0.117
13	0.190	29	0.00809	22	0.0701	82	0.166
14	0.171	32	0.0112	23	0.0632	92	0.229
15	0.153	37	0.0157	24	0.0566	103	0.322
16	0.137	41	0.0220	25	0.0505	115	0.452
17	0.122	46	0.0306	26	0.0452	129	0.637
18	0.109	52	0.0429	27	0.0409	143	0.885
19	0.0980	58	0.0600	28	0.0366	160	1.25
20	0.0879	65	0.0837	29	0.0330	177	1.71

Single layer winding with 1 inch leads

Available Cores

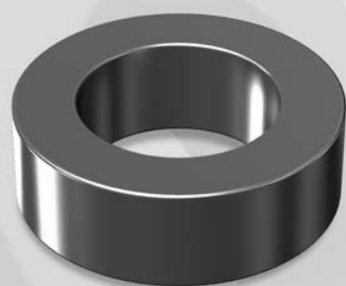
MPP	High Flux	Sendust	Mega Flux®	Part No.	AL (nH/N²)	Perm. (μ)
CM358026	CH358026	CS358026	CK358026		24	26
CM358060	CH358060	CS358060	CK358060		56	60
-	-	CS358075	CK358075		70	75
-	-	CS358090	CK358090		84	90
CM358125	CH358125	CS358125	-		117	125
CM358147	CH358147	-	-		138	147
CM358160	CH358160	-	-		150	160
CM358173	-	-	-		162	173
-	-	-	-		187	200

AL vs NI Curve (60μ, 125μ)



OD400

OD 39.88mm / 1.570inch



ID 24.13mm
HT 14.48mm

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	39.88	24.13	14.48
	(inch)	1.570	0.950	0.570
After coating (parlyene-C)	(mm)	40.70	23.30	15.37
	(inch)	1.602	0.918	0.605

Magnetic Dimensions

Cross Section (A)	Path Length (l)	Window Area (Wa)	Volume (V)
1.072cm ²	9.84cm	4.27cm ²	10.5485cm ³
0.1662in ²	3.88in	842,700cmil	0.6449in ³

Available Cores

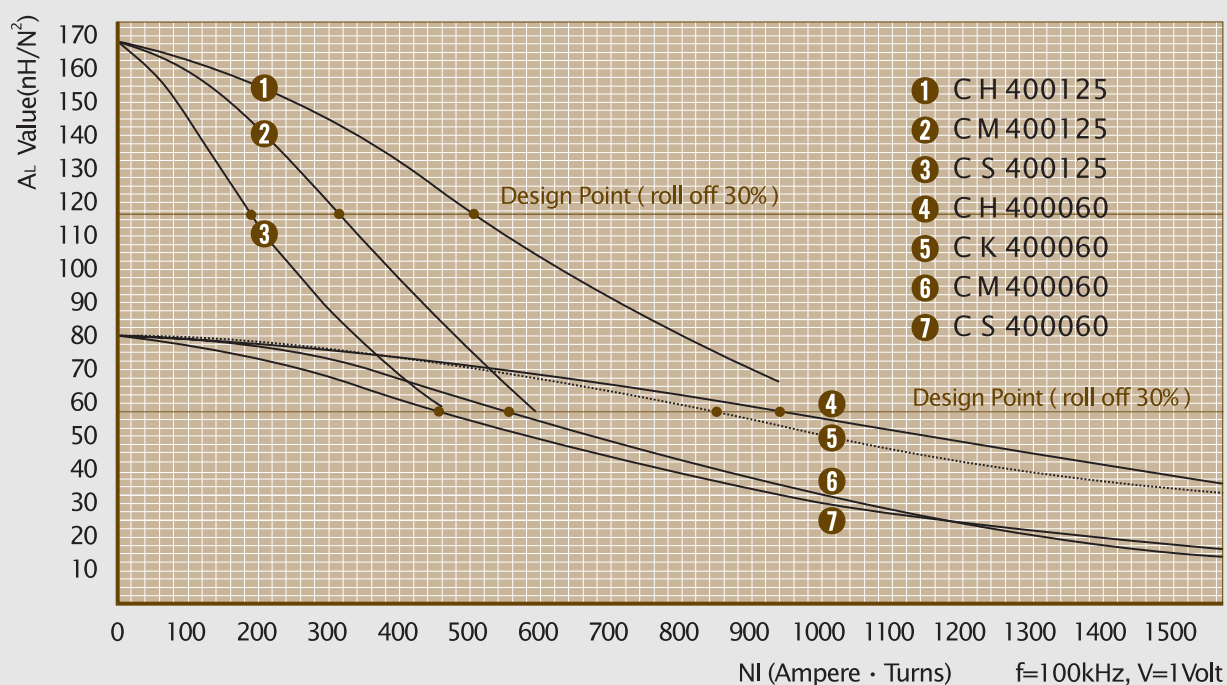
Part No.				AL (nH/N ²)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux®		
CM400026	CH400026	CS400026	CK400026	35	26
CM400060	CH400060	CS400060	CK400060	81	60
-	-	CS400075	CK400075	101	75
-	-	CS400090	CK400090	121	90
CM400125	CH400125	CS400125	-	168	125
CM400147	CH400147	-	-	198	147
CM400160	CH400160	-	-	215	160
CM400173	-	-	-	233	173
-	-	-	-	269	200

Winding Information

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia(cm)	Turn	Rdc,Ω	No.	Dia(cm)	Turn	Rdc,Ω
10	0.213	22	0.00389	19	0.0785	64	0.0804
11	0.190	25	0.00545	20	0.0701	71	0.112
12	0.171	28	0.00762	21	0.0632	80	0.158
13	0.153	31	0.0107	22	0.0566	90	0.223
14	0.137	35	0.0148	23	0.0505	100	0.309
15	0.122	40	0.0208	24	0.0452	112	0.435
16	0.109	45	0.0292	25	0.0409	125	0.611
17	0.0980	50	0.0408	26	0.0366	140	0.862
18	0.0879	57	0.0574	27	0.0330	155	1.20

Single layer winding with 1 inch leads

■ AL vs NI Curve (60μ, 125μ)



OD467

Core Dimensions

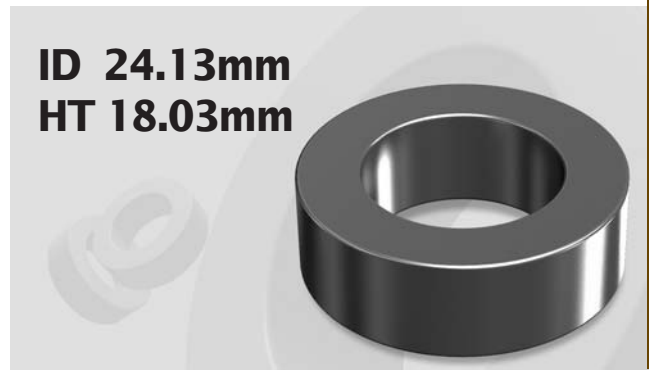
		OD(max)	ID(min)	HT(max)
Before coating	(mm)	46.74	24.13	18.03
	(inch)	1.840	0.950	0.710
After coating (Epoxy)	(mm)	47.60	23.30	18.92
	(inch)	1.875	0.918	0.745

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
1.990cm ²	10.74cm	4.27cm ²	21.373cm ³
0.308in ²	4.23in	842,700cmil	1.303in ³

OD 46.74mm / 1.840inch

ID 24.13mm
HT 18.03mm



Winding Information

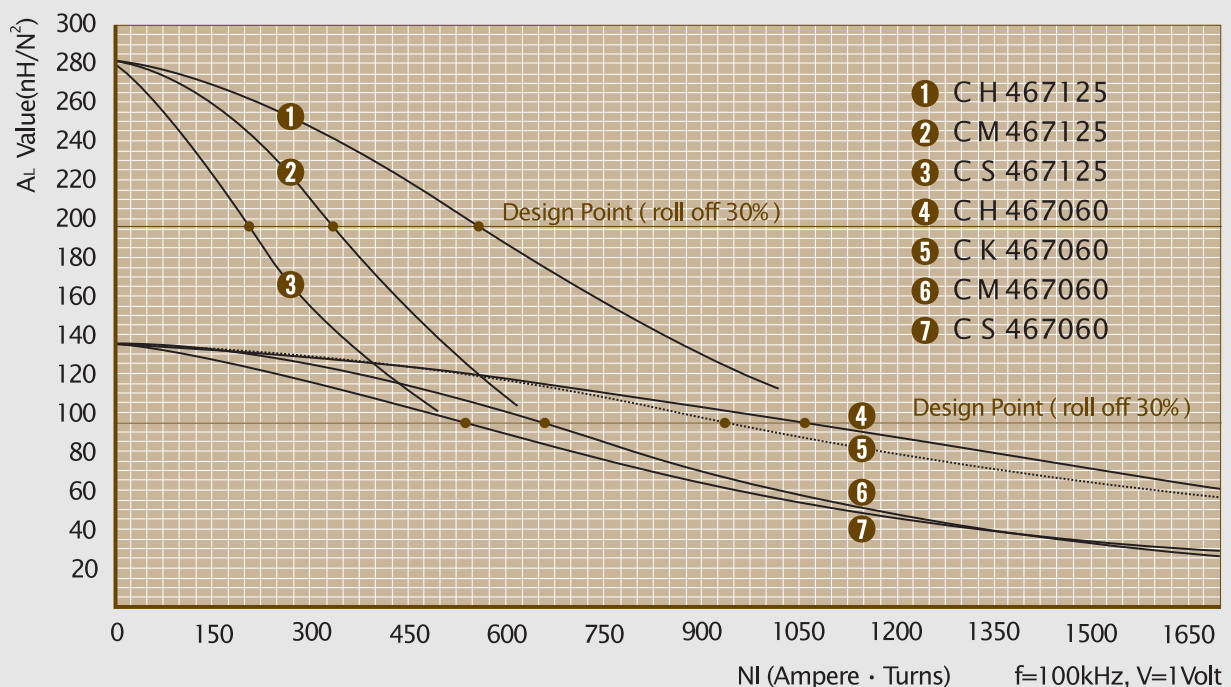
AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω	AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω
10	0.213	22	0.0488	19	0.0785	64	0.104
11	0.190	25	0.0688	20	0.0701	71	0.146
12	0.171	28	0.0966	21	0.0632	80	0.205
13	0.153	31	0.0136	22	0.0566	90	0.290
14	0.137	35	0.0189	23	0.0505	100	0.403
15	0.122	40	0.0267	24	0.0452	112	0.567
16	0.109	45	0.0375	25	0.0409	125	0.798
17	0.0980	50	0.0526	26	0.0366	140	1.13
18	0.0879	57	0.0740	27	0.0330	155	1.57

Single layer winding with 1 inch leads

Available Cores

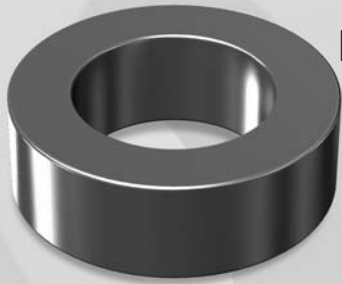
MPP	High Flux	Sendust	Mega Flux®	AL (nH/N ²)	Perm. (μ)
CM467026	CH467026	CS467026	CK467026	59	26
CM467060	CH467060	CS467060	CK467060	135	60
-	-	CS467075	CK467075	169	75
-	-	CS467090	CK467090	202	90
CM467125	CH467125	CS467125	-	281	125
CM467147	-	-	-	330	147
CM467160	-	-	-	360	160
-	-	-	-	-	173
-	-	-	-	-	200

■ AL vs NI Curve (60μ, 125μ)



OD468

OD 46.74mm / 1.840inch



ID 28.70mm
HT 15.24mm

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	46.74	28.70	15.24
	(inch)	1.840	1.130	0.600
After coating (parlyene-C)	(mm)	47.60	27.90	16.13
	(inch)	1.875	1.098	0.635

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (W _a)	Volume (V)
1.340cm ²	11.63cm	6.11cm ²	15.584cm ³
0.208in ²	4.58in	1,206,000cmil	0.9526in ³

Available Cores

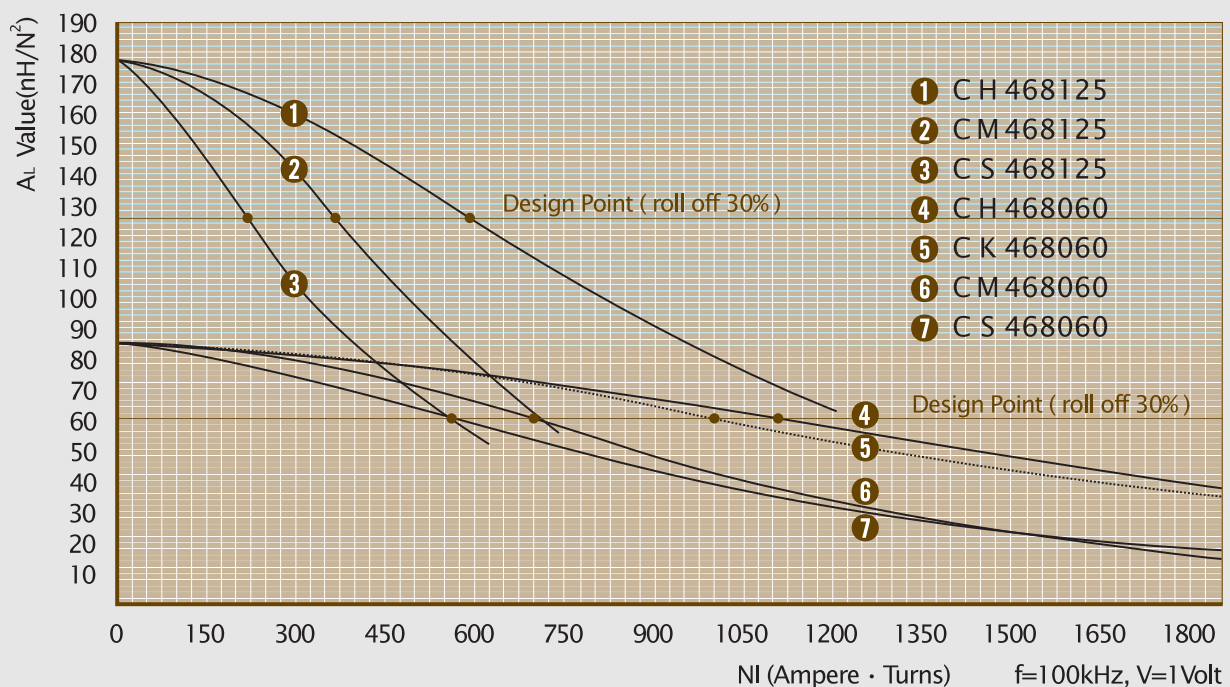
Part No.				A _L (nH/N ²)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux®		
CM468026	CH468026	CS468026	CK468026	37	26
CM468060	CH468060	CS468060	CK468060	86	60
-	-	CS468075	CK468075	107	75
-	-	CS468090	CK468090	128	90
CM468125	CH468125	CS468125	-	178	125
CM468147	-	-	-	210	147
CM468160	-	-	-	228	160
-	-	-	-	-	173
-	-	-	-	-	200

Winding Information

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia(cm)	Turn	Rdc, Ω	No.	Dia(cm)	Turn	Rdc, Ω
10	0.267	26	0.00505	19	0.0980	77	0.104
11	0.238	30	0.00708	20	0.0879	86	0.146
12	0.213	34	0.0099	21	0.0785	96	0.205
13	0.190	38	0.0139	22	0.0701	108	0.290
14	0.171	43	0.0193	23	0.0632	120	0.402
15	0.153	48	0.0270	24	0.0566	134	0.565
16	0.137	54	0.0380	25	0.0505	150	0.795
17	0.122	61	0.0530	26	0.0452	168	1.12
18	0.109	68	0.0745	27	0.0409	186	1.56

Single layer winding with 1 inch leads

■ A_L vs NI Curve (60μ, 125μ)



OD 508

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	50.80	31.75	13.46
	(inch)	2.000	1.250	0.530
After coating (Epoxy)	(mm)	51.70	30.90	14.35
	(inch)	2.035	1.218	0.565

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
1.251cm ²	12.73cm	7.50cm ²	15.929cm ³
0.194in ²	5.02in	1,484,000cmil	0.9739in ³

OD 50.80mm / 2.000inch

ID 31.75mm
HT 13.46mm



Winding Information

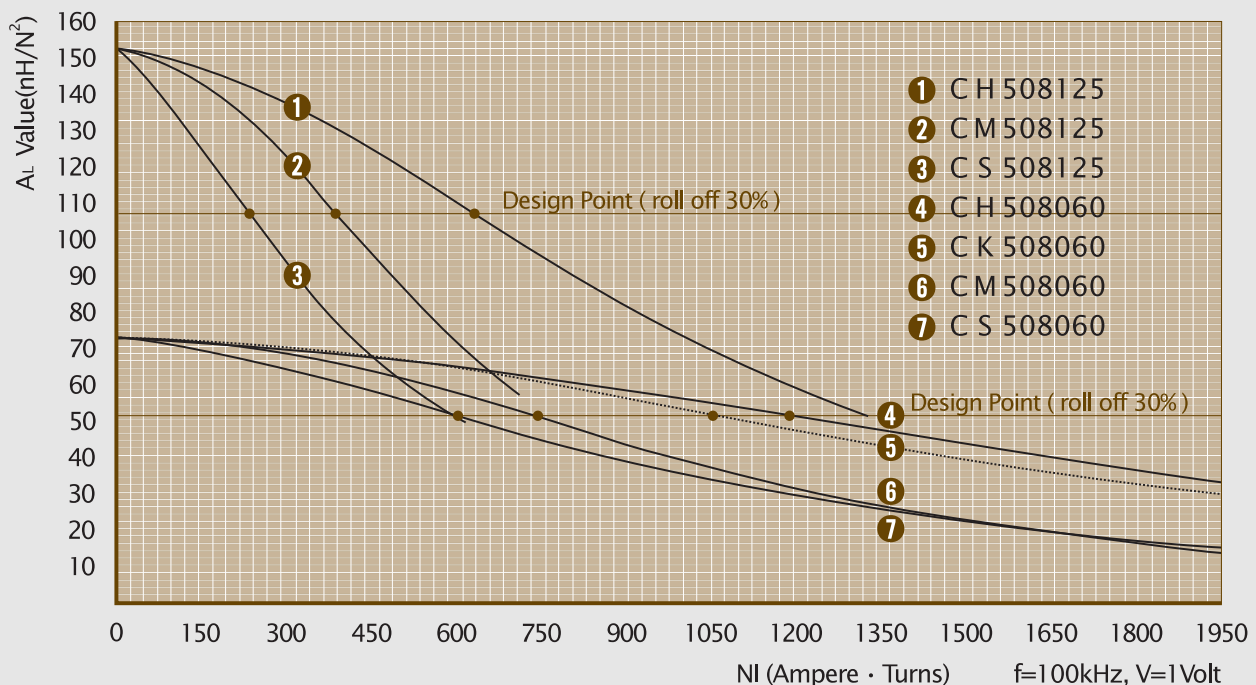
AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc, Ω	AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc, Ω
10	0.267	30	0.00539	19	0.0980	85	0.110
11	0.238	33	0.00754	20	0.0879	95	0.154
12	0.213	38	0.0105	21	0.0785	107	0.216
13	0.190	43	0.0147	22	0.0701	120	0.306
14	0.171	48	0.0205	23	0.0632	133	0.424
15	0.153	54	0.0287	24	0.0566	149	0.596
16	0.137	60	0.0402	25	0.0505	167	0.838
17	0.122	68	0.0562	26	0.0452	186	1.18
18	0.109	76	0.0788	27	0.0409	207	1.64

Single layer winding with 1 inch leads

Available Cores

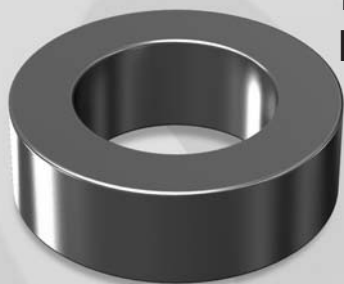
	Part No.				AL	Perm.
	MPP	High Flux	Sendust	Mega Flux®	(nH/N ²)	(μ)
CM508026	CH508026	CS508026	CK508026		32	26
CM508060	CH508060	CS508060	CK508060		73	60
-	-	CS508075	CK508075		91	75
-	-	CS508090	CK508090		109	90
CM508125	CH508125	CS508125	-		152	125
CM508147	-	-	-		179	147
CM508160	-	-	-		195	160
-	-	-	-		-	173
-	-	-	-		-	200

AL vs NI Curve (60μ, 125μ)



OD571

OD 57.15mm / 2.250inch



ID 26.39mm
HT 15.24mm

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	57.15	26.39	15.24
	(inch)	2.250	1.039	0.600
After coating (parlylene-C)	(mm)	58.00	25.60	16.10
	(inch)	2.285	1.007	0.635

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
2.29cm ²	12.5cm	5.14cm ²	28.6cm ³
0.355in ²	4.93in	1,014,049cmil	1.75in ³

Available Cores

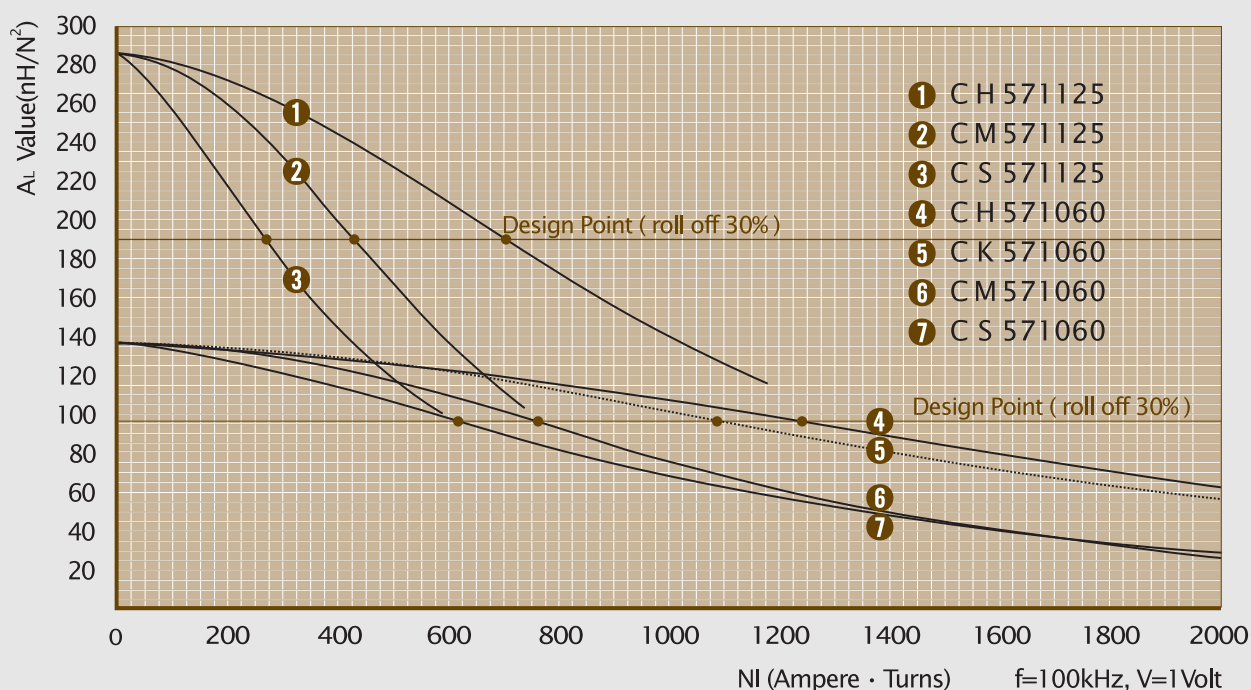
Part No.				AL (nH/N ²)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux®		
CM571026	CH571026	CS571026	CK571026	60	26
CM571060	CH571060	CS571060	CK571060	138	60
-	-	CS571075	CK571075	172	75
-	-	CS571090	CK571090	206	90
CM571125	CH571125	CS571125	-	287	125
CM571147	-	-	-	306	147
CM571160	-	-	-	333	160
-	-	-	-	-	173
-	-	-	-	-	200

Winding Information

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia(cm)	Turn	Rdc,Ω	No.	Dia(cm)	Turn	Rdc,Ω
10	0.267	26	0.00551	19	0.0980	78	0.133
11	0.238	30	0.00801	20	0.0879	88	0.189
12	0.213	34	0.0115	21	0.0785	99	0.269
13	0.190	39	0.0165	22	0.0701	111	0.381
14	0.171	43	0.0230	23	0.0632	124	0.534
15	0.153	49	0.0330	24	0.0566	138	0.752
16	0.137	55	0.0469	25	0.0505	156	1.07
17	0.122	62	0.0664	26	0.0452	174	1.51
18	0.109	70	0.0948	27	0.0409	193	2.10

Single layer winding with 1 inch leads

■ AL vs NI Curve (60μ, 125μ)



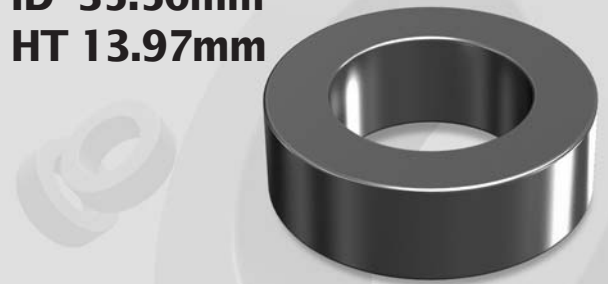
OD572

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	57.15	35.56	13.97
	(inch)	2.250	1.400	0.550
After coating (Epoxy)	(mm)	58.00	34.70	14.86
	(inch)	2.285	1.368	0.585

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
1.444cm ²	14.30cm	9.48cm ²	20.65cm ³
0.244in ²	5.63in	1,871,000cmil	1.261in ³

OD 57.15mm / 2.250inch**ID 35.56mm
HT 13.97mm**

Winding Information

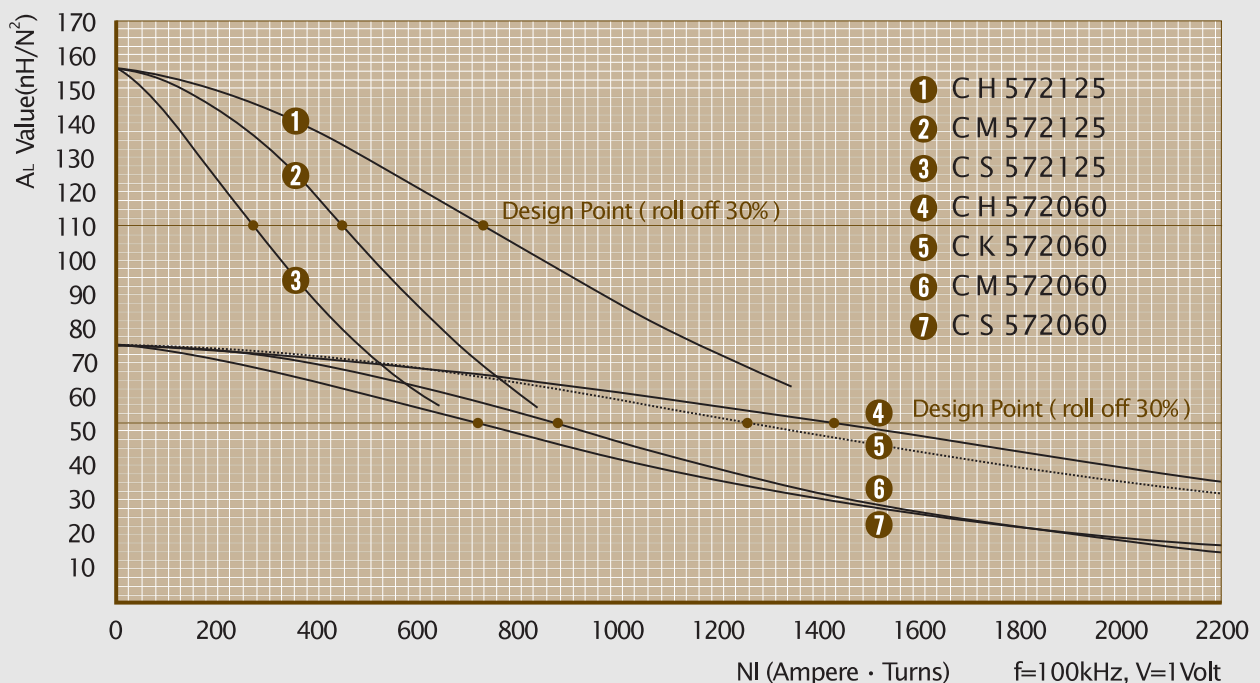
AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω	AWG Wire No.	Single Layer Dia(cm)	Turn	Rdc,Ω
10	0.267	37	0.00644	19	0.0980	108	0.152
11	0.238	42	0.00920	20	0.0879	120	0.211
12	0.213	48	0.0133	21	0.0785	135	0.300
13	0.190	54	0.0188	22	0.0701	152	0.428
14	0.171	60	0.0263	23	0.0632	169	0.596
15	0.153	68	0.0376	24	0.0566	189	0.845
16	0.137	76	0.0531	25	0.0505	212	1.19
17	0.122	85	0.0746	26	0.0452	237	1.69
18	0.109	96	0.107	27	0.0409	263	2.35

Single layer winding with 1 inch leads

Available Cores

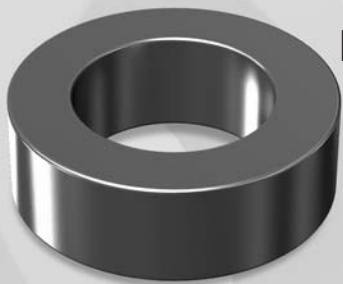
Part No.				AL	Perm.
MPP	High Flux	Sendust	Mega Flux®	(nH/N ²)	(μ)
CM572026	CH572026	CS572026	CK572026	33	26
CM572060	CH572060	CS572060	CK572060	75	60
-	-	CS572075	CK572075	94	75
-	-	CS572090	CK572090	112	90
CM572125	CH572125	CS572125	-	156	125
CM572147	-	-	-	185	147
CM572160	-	-	-	200	160
-	-	-	-	-	173
-	-	-	-	-	200

AL vs NI Curve (60μ, 125μ)



OD610

OD 62.0mm / 2.441inch



ID 32.6mm
HT 25.0mm

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	62.0	32.6	25.0
	(inch)	2.441	1.283	0.984
After coating (parlylene-C)	(mm)	63.1	31.37	26.27
	(inch)	2.484	1.235	1.034

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
3.675cm ²	14.37cm	7.73cm ²	52.81cm ³
0.570in ²	5.66in	1,525,610cmil	3.223in ³

Available Cores

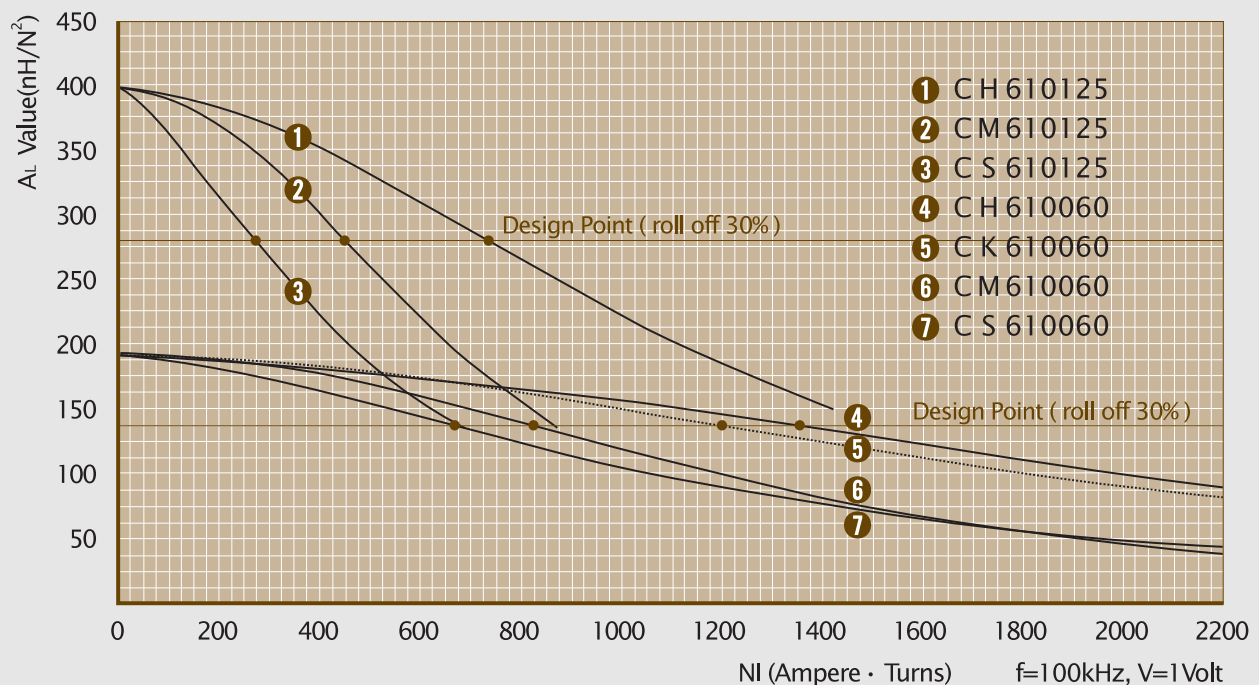
Part No.				AL (nH/N ²)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux®		
CM610026	CH610026	CS610026	CK610026	83	26
CM610060	CH610060	CS610060	CK610060	192	60
-	-	CS610075	CK610075	240	75
-	-	CS610090	CK610090	288	90
CM610125	CH610125	CS610125	-	400	125
-	-	-	-	-	147
-	-	-	-	-	160
-	-	-	-	-	173
-	-	-	-	-	200

Winding Information

AWG Wire		Single Layer Turn Rdc, Ω	AWG Wire		Single Layer Turn Rdc, Ω
No.	Dia(cm)		No.	Dia(cm)	
10	0.267	N · A	19	0.0980	N · A
11	0.238		20	0.0879	
12	0.213		21	0.0785	
13	0.190		22	0.0701	
14	0.171		23	0.0632	
15	0.153	N · A	24	0.0566	N · A
16	0.137		25	0.0505	
17	0.122		26	0.0452	
18	0.109		27	0.0409	

Single layer winding with 1 inch leads

■ AL vs NI Curve (60μ, 125μ)



OD 740

TOROIDAL MAGNETIC POWDER CORES

Core Dimensions

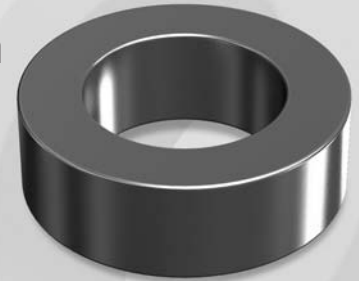
		OD(max)	ID(min)	HT(max)
Before coating	(mm)	74.1	45.3	35.0
	(inch)	2.917	1.783	1.378
After coating (Epoxy)	(mm)	75.2	44.07	36.27
	(inch)	2.961	1.735	1.428

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
5.040cm ²	18.38cm	15.25cm ²	92.64cm ³
0.781in ²	7.24in	3,009,310cmil	5.653in ³

OD 74.1mm / 2.917inch

ID 45.3mm
HT 35.0mm



Winding Information

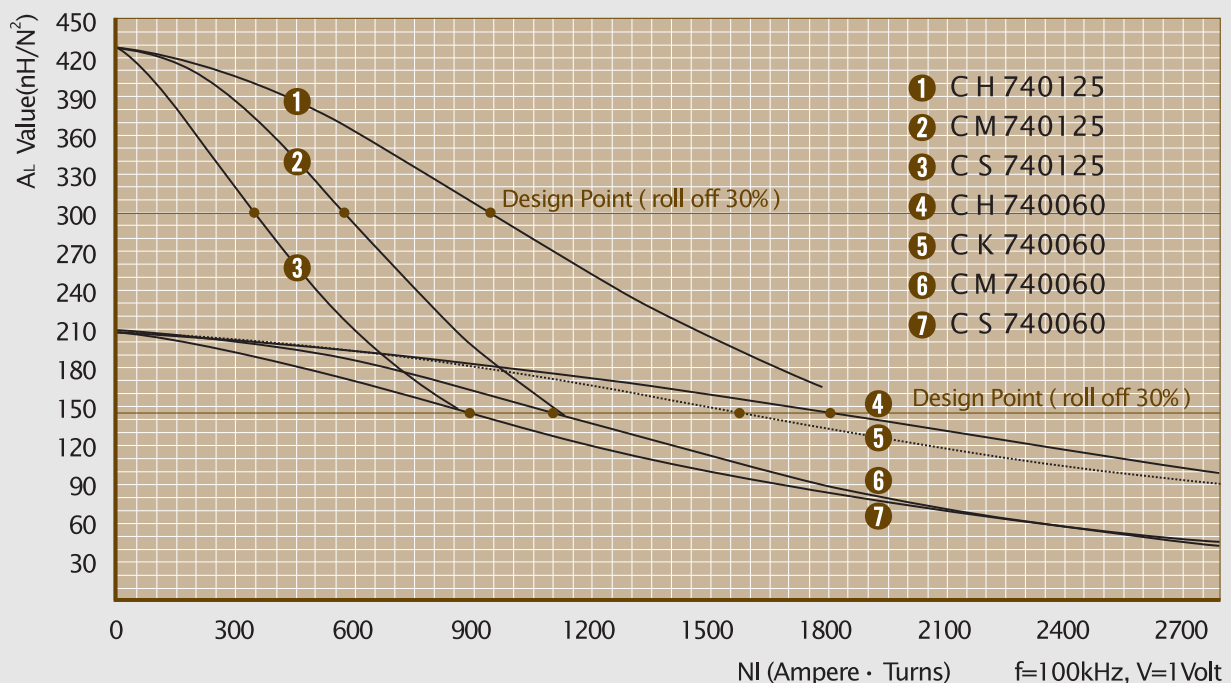
AWG Wire No.	Single Layer Dia(cm)	Turn Rdc, Ω	AWG Wire No.	Single Layer Dia(cm)	Turn Rdc, Ω
10	0.267		19	0.0980	
11	0.238		20	0.0879	
12	0.213		21	0.0785	
13	0.190		22	0.0701	
14	0.171	N · A	23	0.0632	N · A
15	0.153		24	0.0566	
16	0.137		25	0.0505	
17	0.122		26	0.0452	
18	0.109		27	0.0409	

Single layer winding with 1 inch leads

Available Cores

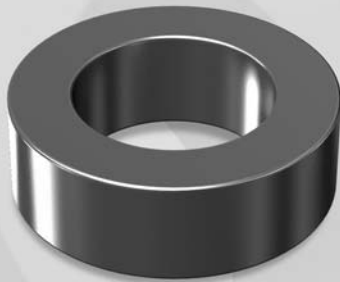
Part No.				AL	Perm.
MPP	High Flux	Sendust	Mega Flux®	(nH/N ²)	(μ)
CM740026	CH740026	CS740026	CK740026	89	26
CM740060	CH740060	CS740060	CK740060	206	60
-	-	CS740075	CK740075	257	75
-	-	CS740090	CK740090	309	90
CM740125	CH740125	CS740125	-	429	125
-	-	-	-	-	147
-	-	-	-	-	160
-	-	-	-	-	173
-	-	-	-	-	200

■ AL vs NI Curve (60μ, 125μ)



OD 777

OD 77.8mm / 3.063inch



ID 49.23mm
HT 12.70mm

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	77.80	49.23	12.70
	(inch)	3.063	1.938	0.50
After coating (parlylene-C)	(mm)	78.90	48.0	13.97
	(inch)	3.108	1.888	0.550

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
1.770cm ²	20.0cm	17.99cm ²	34.770cm ³
0.274in ²	7.72in	3,550,000cmil	2.122in ³

Available Cores

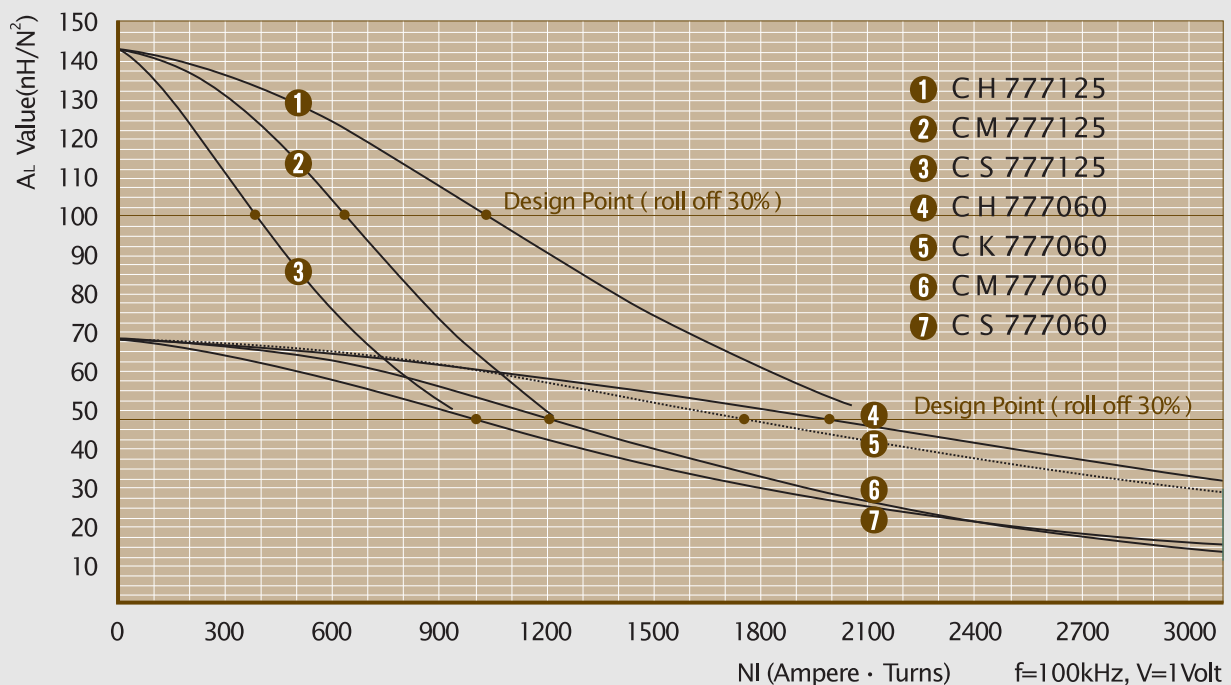
Part No.				AL (nH/N ²)	Perm. (μ)
MPP	High Flux	Sendust	Mega Flux®		
CM777026	CH777026	CS777026	CK777026	30	26
CM777060	CH777060	CS777060	CK777060	68	60
-	-	CS777075	CK777075	85	75
-	-	CS777090	CK777090	102	90
CM777125	CH777125	CS777125	-	142	125
-	-	-	-	-	147
-	-	-	-	-	160
-	-	-	-	-	173
-	-	-	-	-	200

Winding Information

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia(cm)	Turn	Rdc, Ω	No.	Dia(cm)	Turn	Rdc, Ω
10	0.267	53	0.0113	19	0.0980	150	0.258
11	0.238	60	0.0162	20	0.0879	168	0.364
12	0.213	67	0.0228	21	0.0785	188	0.514
13	0.190	76	0.0325	22	0.0701	211	0.732
14	0.171	84	0.0454	23	0.0632	235	1.02
15	0.153	95	0.0646	24	0.0566	263	1.30
16	0.137	106	0.0912	25	0.0505	295	1.84
17	0.122	119	0.129	26	0.0452	330	2.61
18	0.109	134	0.183	27	0.0409	365	3.62

Single layer winding with 1 inch leads

■ AL vs NI Curve (60μ, 125μ)



OD 778

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	77.80	49.23	15.9
	(inch)	3.063	1.938	0.626
After coating (Epoxy)	(mm)	78.90	48.0	17.2
	(inch)	3.108	1.888	0.677

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (Wa)	Volume (V)
2.270cm ²	20.0cm	17.99cm ²	43.531cm ³
0.352in ²	7.72in	3,550,000cmil	2.656in ³

OD 77.8mm / 3.063inch

ID 49.23mm
HT 15.9mm



Winding Information

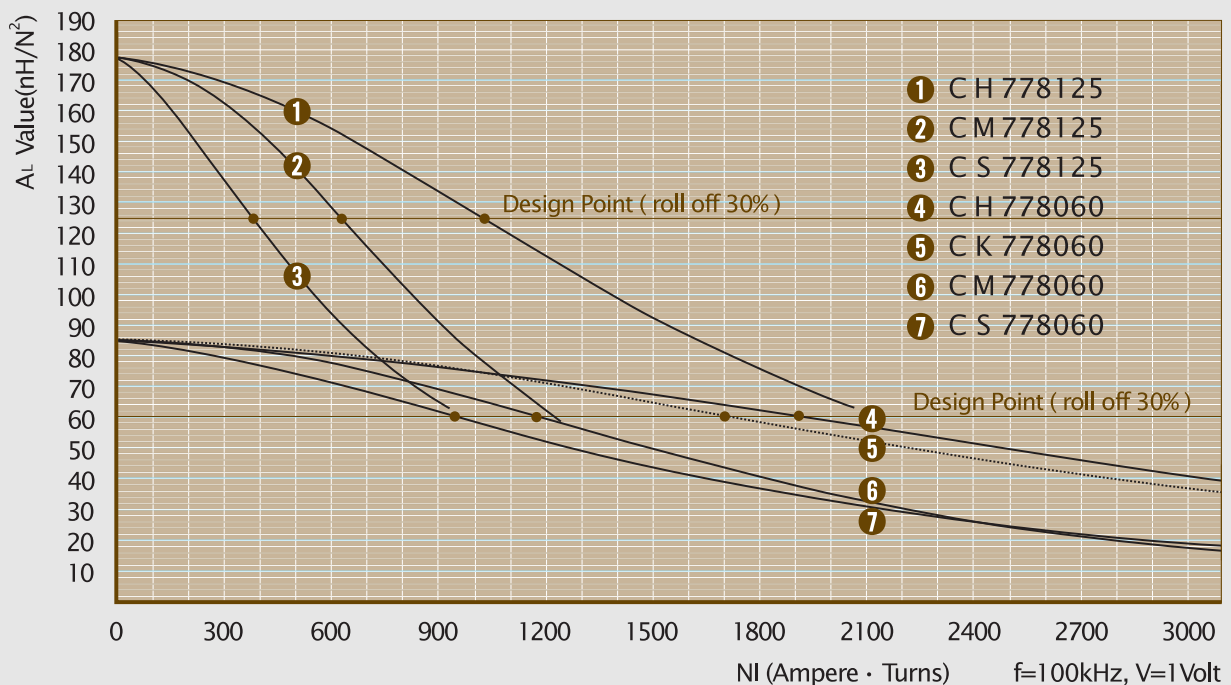
AWG Wire No.	Single Layer Dia(cm)	Turn Rdc, Ω	AWG Wire No.	Single Layer Dia(cm)	Turn Rdc, Ω
10	0.267		19	0.0980	
11	0.238		20	0.0879	
12	0.213		21	0.0785	
13	0.190		22	0.0701	
14	0.171	N · A	23	0.0632	N · A
15	0.153		24	0.0566	
16	0.137		25	0.0505	
17	0.122		26	0.0452	
18	0.109		27	0.0409	

Single layer winding with 1 inch leads

Available Cores

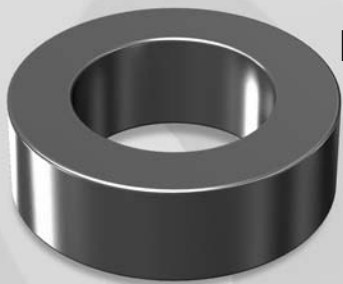
MPP	Part No.			AL (nH/N ²)	Perm. (μ)
	High Flux	Sendust	Mega Flux®		
CM778026	CH778026	CS778026	CK778026	37	26
CM778060	CH778060	CS778060	CK778060	85	60
-	-	CS778075	CK778075	107	75
-	-	CS778090	CK778090	128	90
CM778125	CH778125	CS778125	-	178	125
-	-	-	-	-	147
-	-	-	-	-	160
-	-	-	-	-	173
-	-	-	-	-	200

■ AL vs NI Curve (60μ, 125μ)



OD888

OD 88.9mm / 3.500inch



ID 66.0mm
HT 15.9mm

Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	88.90	66.00	15.90
	(inch)	3.500	2.598	0.626
After coating	(mm)	90.03	64.74	17.20
	(inch)	3.544	2.549	0.677

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (W _a)	Volume (V)
1.83cm ²	24.10cm	32.92cm	44,103cm
0.284in	9.46in	6,00,140cmil	2.691in

Available Cores

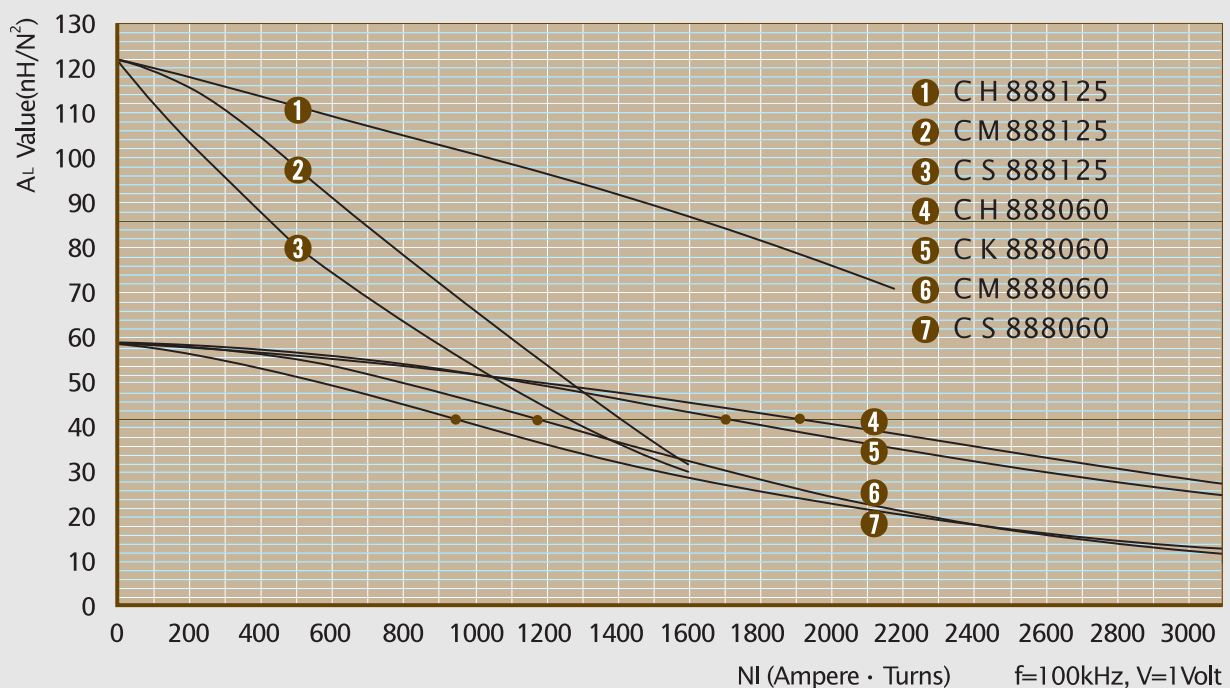
Part No.				AL	Perm.
MPP	High Flux	Sendust	Mega Flux®	(nH/N ²)	(μ)
CM888026	CH888026	CS888026	CK888026	24	26
CM888060	CH888060	CS888060	CK888060	57	60
-	-	CS888075	CK888075	71	75
-	-	CS888090	CK888090	85	90
CM888125	CH888125	CS888125	-	119	125
-	-	-	-	-	147
-	-	-	-	-	160
-	-	-	-	-	173
-	-	-	-	-	200

Winding Information

AWG Wire No.	Single Layer Turn	AWG Wire No.	Single Layer Turn
10 0.267		19 0.0980	
11 0.238		20 0.0879	
12 0.213		21 0.0785	
13 0.190		22 0.0701	
14 0.171	N · A	23 0.0632	N · A
15 0.153		24 0.0566	
16 0.137		25 0.0505	
17 0.122		26 0.0452	
18 0.109		27 0.0409	

Single layer winding with 1 inch leads

■ AL vs NI Curve (60μ, 125μ)



OD1016

TOROIDAL MAGNETIC POWDER CORES

Core Dimensions

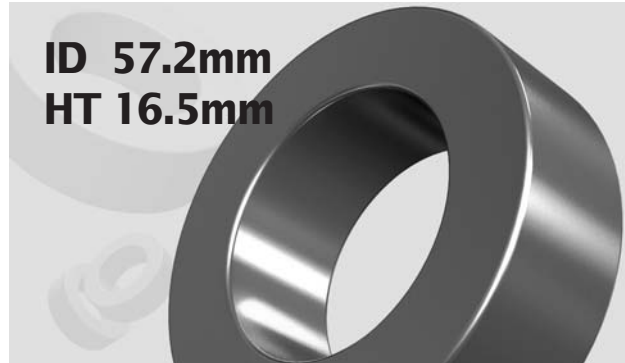
		OD(max)	ID(min)	HT(max)
Before coating	(mm)	101.6	57.2	16.5
	(inch)	3.980	2.252	0.650
After coating	(mm)	103.1	55.7	17.8
	(inch)	4.059	2.193	0.701

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (W_a)	Volume (V)
3.522cm ²	24.27cm	24.36cm ²	85.495cm ³
0.546in	9.56in	4,807,425cmil	5.217in

OD 101.6mm / 3.980inch

ID 57.2mm
HT 16.5mm



Winding Information

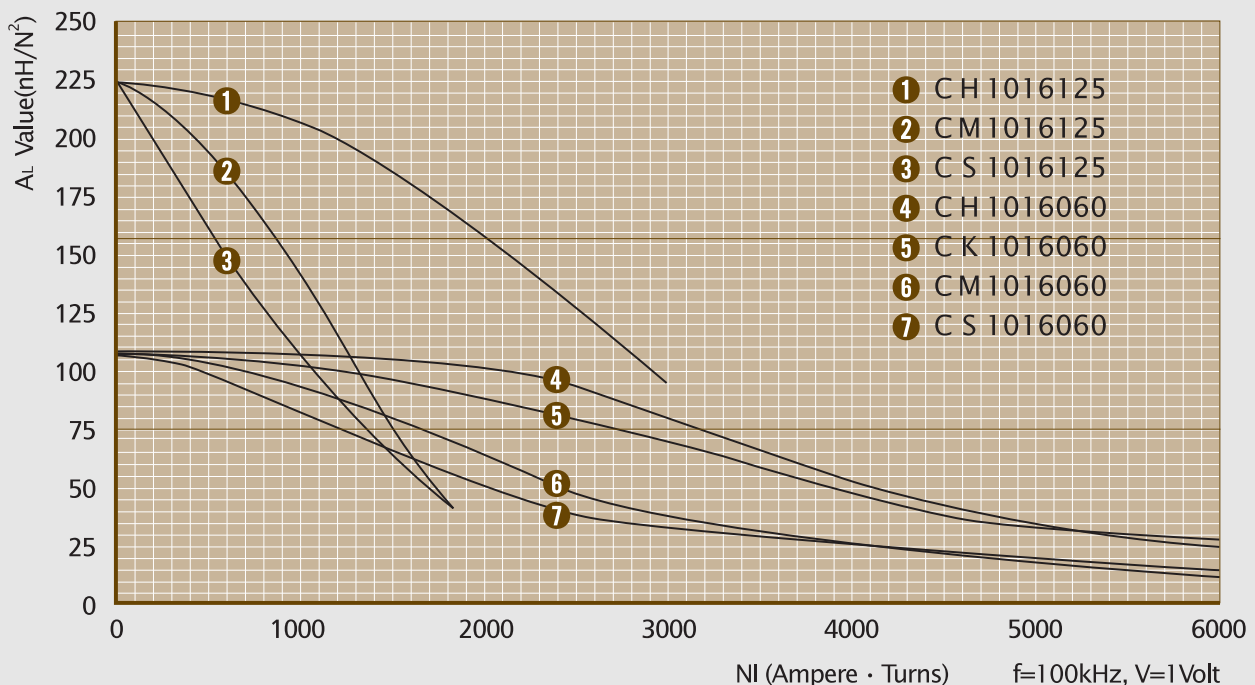
AWG Wire No.	Dia(cm)	Single Layer Turn	Rdc, Ω	AWG Wire No.	Dia(cm)	Single Layer Turn	Rdc, Ω
10	0.267			19	0.0980		
11	0.238			20	0.0879		
12	0.213			21	0.0785		
13	0.190			22	0.0701		
14	0.171	N · A		23	0.0632	N · A	
15	0.153			24	0.0566		
16	0.137			25	0.0505		
17	0.122			26	0.0452		
18	0.109			27	0.0409		

Single layer winding with 1 inch leads

Available Cores

Part No.				AL	Perm.
MPP	High Flux	Sendust	Mega Flux®	(nH/N ²)	(μ)
CM1016026	CH1016026	CS1016026	CK1016026	48	26
CM1016060	CH1016060	CS1016060	CK1016060	112	60
CM1016125	CH1016125	CS1016125	-	228	125
-	-	-	-	-	147
-	-	-	-	-	160
-	-	-	-	-	173
-	-	-	-	-	200

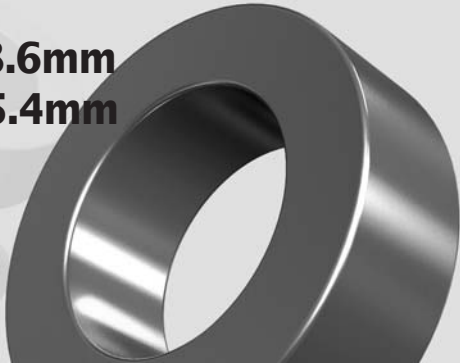
■ AL vs NI Curve (60 μ , 125 μ)



OD 1325

OD 132.5mm / 5.217inch

ID 78.6mm HT 25.4mm



Core Dimensions

		OD(max)	ID(min)	HT(max)
Before coating	(mm)	132.5	78.6	25.4
	(inch)	5.217	3.094	1.000
After coating	(mm)	134.2	77.0	26.8
	(inch)	5.283	3.032	1.055

Magnetic Dimensions

Cross Section (A)	Path Length (ℓ)	Window Area (W _a)	Volume (V)
6.71cm ²	32.42cm	46.61cm ²	217.58cm ³
1.040in	12.77in	9,199,089cmil	13.28in

Available Cores

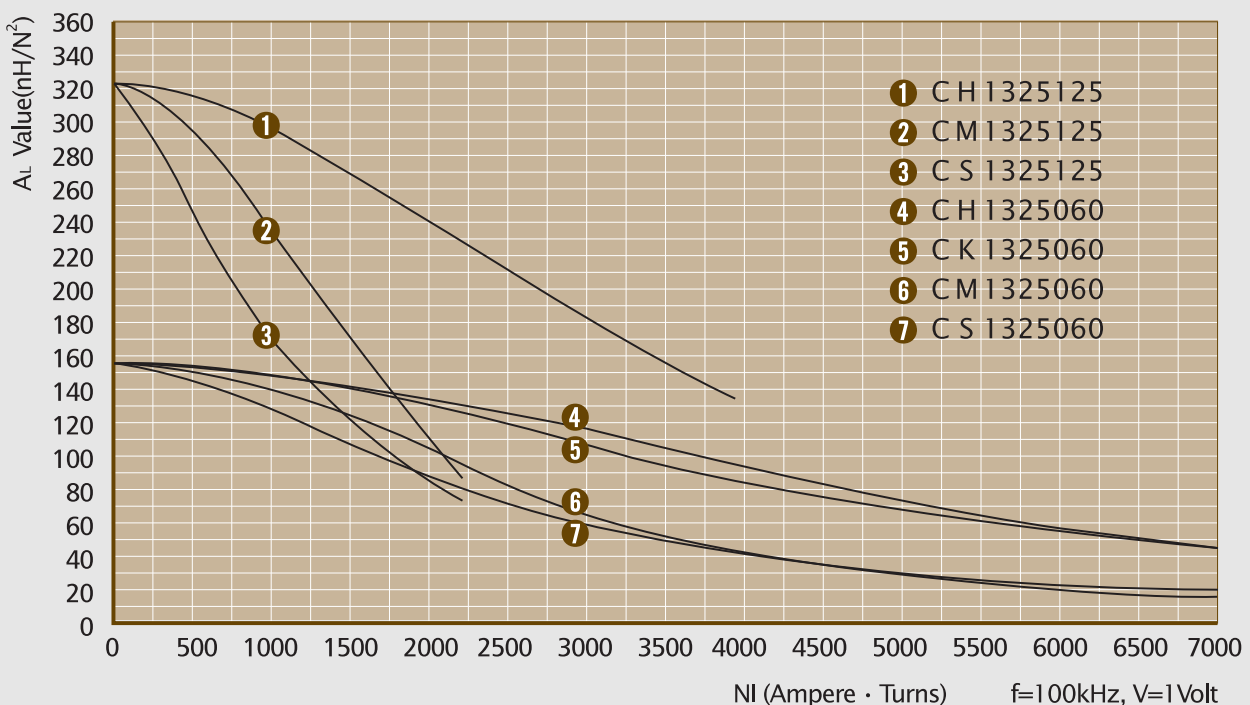
Part No.				AL	Perm.
MPP	High Flux	Sendust	Mega Flux®	(nH/N ²)	(μ)
CM1325026	CH1325026	CS1325026	CK1325026	68	26
CM1325060	CH1325060	CS1325060	CK1325060	156	60
CM1325125	CH1325125	CS1325125	-	325	125
-	-	-	-	-	147
-	-	-	-	-	160
-	-	-	-	-	173
-	-	-	-	-	200

Winding Information

AWG Wire No.	Single Layer Turn	AWG Wire No.	Single Layer Turn
10 0.267		19 0.0980	
11 0.238		20 0.0879	
12 0.213		21 0.0785	
13 0.190		22 0.0701	
14 0.171	N · A	23 0.0632	N · A
15 0.153		24 0.0566	
16 0.137		25 0.0505	
17 0.122		26 0.0452	
18 0.109		27 0.0409	

Single layer winding with 1 inch leads

■ AL vs NI Curve (60μ, 125μ)



OD 1650

TOROIDAL MAGNETIC POWDER CORES

Core Dimensions

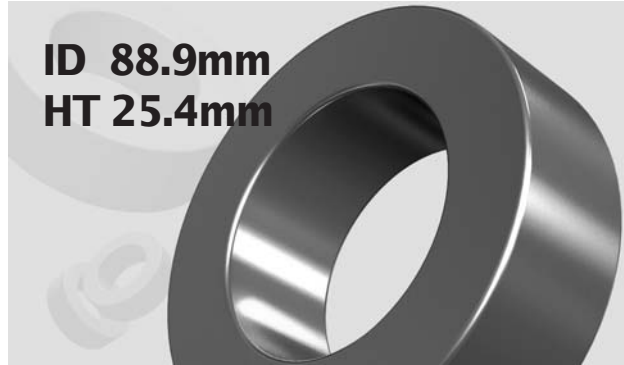
		OD(max)	ID(min)	HT(max)
Before coating	(mm)	165.0	88.9	25.4
	(inch)	6.496	3.500	1.000
After coating	(mm)	167.2	86.9	27.3
	(inch)	6.583	3.421	1.075

Magnetic Dimensions

Cross Section (A)	Path Length ($\varnothing$)	Window Area (W_a)	Volume (V)
9.46cm ²	38.65cm	59.31cm ²	365.63cm ³
1.466in	15.22in	11,704,978cmil	22.31in

OD 165.0mm / 6.496inch

ID 88.9mm
HT 25.4mm



Winding Information

AWG Wire No.	Dia(cm)	Single Layer Turn	Rdc, Ω	AWG Wire No.	Dia(cm)	Single Layer Turn	Rdc, Ω
10	0.267			19	0.0980		
11	0.238			20	0.0879		
12	0.213			21	0.0785		
13	0.190			22	0.0701		
14	0.171	N · A		23	0.0632		N · A
15	0.153			24	0.0566		
16	0.137			25	0.0505		
17	0.122			26	0.0452		
18	0.109			27	0.0409		

Single layer winding with 1 inch leads

Available Cores

Part No.				AL	Perm.
MPP	High Flux	Sendust	Mega Flux®	(nH/N ²)	(μ)
CM1625026	CH1625026	CS1625026	CK1625026	80	26
CM1625060	CH1625060	CS1625060	CK1625060	184	60
CM1625125	CH1625125	CS1625125	-	384	125
-	-	-	-	-	147
-	-	-	-	-	160
-	-	-	-	-	173
-	-	-	-	-	200

■ AL vs NI Curve (60 μ , 125 μ)

