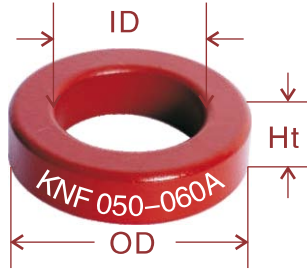


TYPICAL PART NO. KNF 050-060 A

KDM Neu Flux™ Cores
Size: OD in 100th inches
Permeability (μ_e)
Core Grading



KDM Material Mix No.
KNF™: Neu Flux™ Cores (Brown)
KS: Sendust Cores (Black)
KSF: Si-Fe™ Cores (Blue)
KH: High Flux Cores (Khaki)
KM: MPP Cores (Gray)

l_e : 平均磁路长度 (Mean Magnetic Path Length)
 A_e : 横截面积 (Cross Section Area)
 V : 磁芯体积 (Core Volume)
 W : 窗口面积 (Window Area)

Physical Specifications

Before Coating			After Coating			l_e in/cm	A_e in ² /cm ²	V in ³ /cm ³	W in ² /cm ²
OD(Max) in/mm	ID(Min) in/mm	Ht(Max) in/mm	OD(Max) in/mm	ID(Min) in/mm	Ht(Max) in/mm				
0.500 12.70	0.300 7.62	0.187 4.75	0.530 13.46	0.275 6.99	0.217 5.51	1.229 3.120	0.01767 0.114	0.0217 0.356	0.05940 0.383

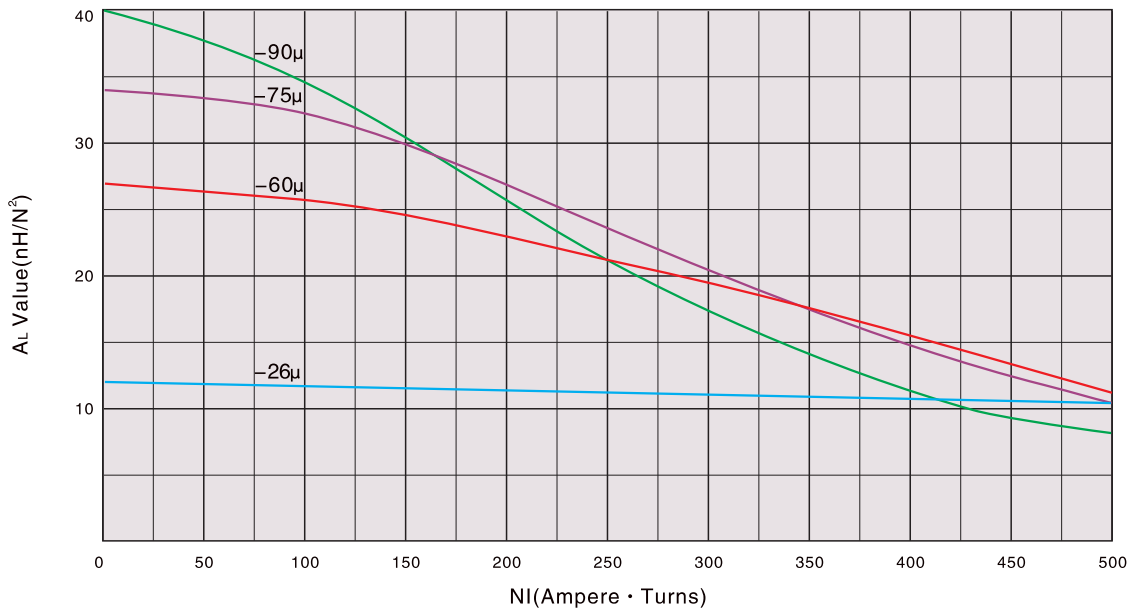
Electrical Specifications

KDM Part No.	Perm. μ_e	A_L $\pm 8\%$
KNF050-026A	26	12
KNF050-060A	60	27
KNF050-075A	75	34
KNF050-090A	90	40

Magnet Wire Winding Data

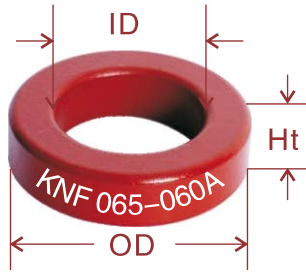
AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia.(cm)	Turns	Rdc, Ω	No.	Dia.(cm)	Turns	Rdc, Ω
15	0.153	10	0.00271	24	0.0566	31	0.0518
16	0.137	11	0.00376	25	0.0505	35	0.0723
17	0.122	13	0.00520	26	0.0452	40	0.101
18	0.109	15	0.00722	27	0.0409	45	0.140
19	0.0980	17	0.0100	28	0.0366	50	0.197
20	0.0879	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	73	0.716

A_L vs NI Curve (26 μ , 60 μ , 75 μ , 90 μ)



TYPICAL PART NO. **KNF 065-060 A**

KDM .Neu Flux™ Cores
Size:OD in 100th inches
Permeability(μ_e)
Core Grading



KDM Material Mix No.
KNF™:Neu Flux™ Cores(Brown)
KS:Sendust Cores(Black)
KSF:Si-Fe™ Cores(Blue)
KH:High Flux Cores(Khaki)
KM:MPP Cores(Gray)

ℓ_e : 平均磁路长度 (Mean Magnetic Path Length)
 A_e : 横截面积(Cross Section Area)
V : 磁芯体积(Core Volume)
W : 窗口面积(Window Area)

Physical Specifications

Before Coating			After Coating			ℓ_e in/cm	A_e in ² /cm ²	V in ³ /cm ³	W in ² /cm ²
OD(Max) in/mm	ID(Min) in/mm	Ht(Max) in/mm	OD(Max) in/mm	ID(Min) in/mm	Ht(Max) in/mm				
0.650 / 16.50	0.400 / 10.20	0.250 / 6.35	0.680 / 17.40	0.375 / 9.53	0.286 / 7.11	1.619 / 4.110	0.0298 / 0.192	0.0480 / 0.789	0.11045 / 0.713

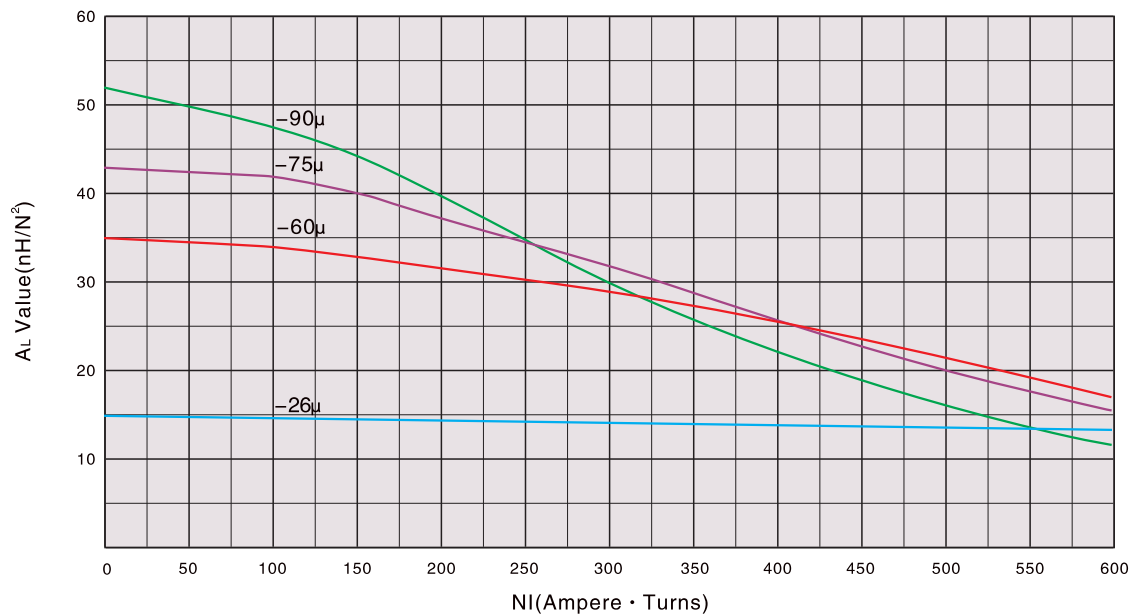
Electrical Specifications

KDM Part No.	Perm. μ_e	A_L $\pm 8\%$
KNF065-026A	26	15
KNF065-060A	60	35
KNF065-075A	75	43
KNF065-090A	90	52

Magnet Wire Winding Data

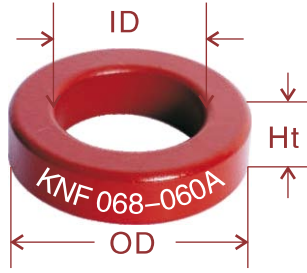
AWG Wire No. Dia.(cm)		Single Layer Turns Rdc, Ω		AWG Wire No. Dia.(cm)		Single Layer Turns Rdc, Ω	
12	0.213	10	0.00165	21	0.0785	31	0.0323
13	0.190	11	0.00230	22	0.0701	35	0.0453
14	0.171	13	0.00318	23	0.0632	39	0.0626
15	0.153	15	0.00443	24	0.0566	44	0.0876
16	0.137	17	0.00617	25	0.0505	49	0.123
17	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

A_L vs NI Curve(26 μ ,60 μ , 75 μ ,90 μ)



TYPICAL PART NO. KNF 068-060 A

KDM Neu Flux™ Cores
Size: OD in 100th inches
Permeability (μ_e)
Core Grading



KDM Material Mix No.
KNF™: Neu Flux™ Cores (Brown)
KS: Sendust Cores (Black)
KSF: Si-Fe™ Cores (Blue)
KH: High Flux Cores (Khaki)
KM: MPP Cores (Gray)

l_e : 平均磁路长度 (Mean Magnetic Path Length)
 A_e : 横截面积 (Cross Section Area)
 V : 磁芯体积 (Core Volume)
 W : 窗口面积 (Window Area)

Physical Specifications

Before Coating			After Coating			l_e in/cm	A_e in ² /cm ²	V in ³ /cm ³	W in ² /cm ²
OD(Max) in/mm	ID(Min) in/mm	Ht(Max) in/mm	OD(Max) in/mm	ID(Min) in/mm	Ht(Max) in/mm				
0.680 17.30	0.380 9.65	0.250 6.35	0.710 18.03	0.355 9.02	0.280 7.11	1.63 4.140	0.03600 0.232	0.05900 0.960	0.09898 0.638

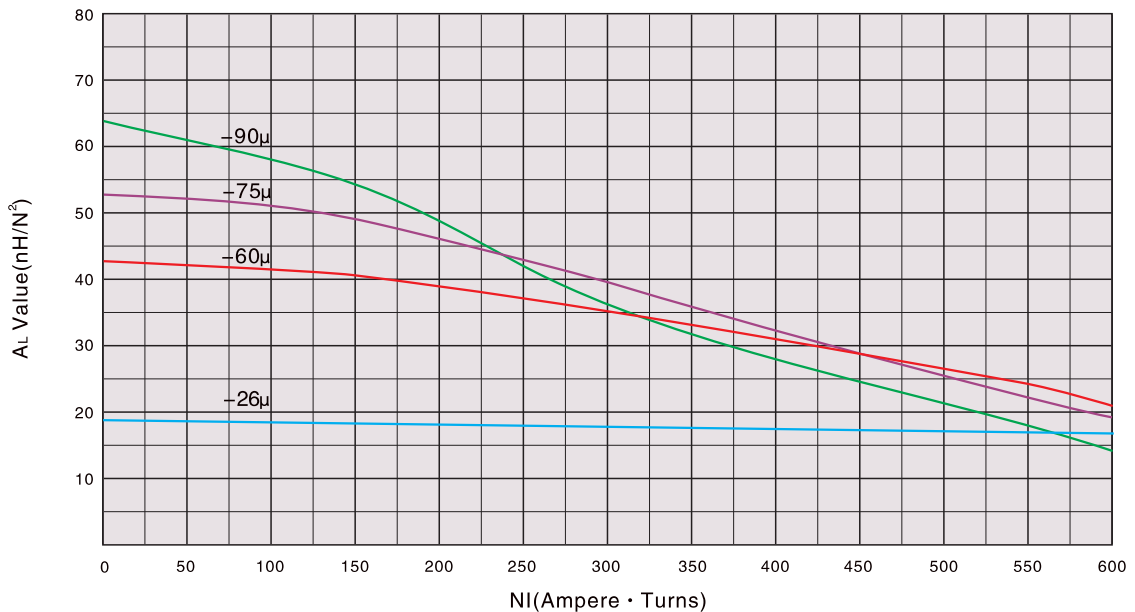
Electrical Specifications

KDM Part No.	Perm. μ_e	A_L $\pm 8\%$
KNF068-026A	26	19
KNF068-060A	60	43
KNF068-075A	75	53
KNF068-090A	90	64

Magnet Wire Winding Data

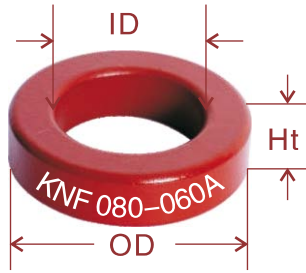
AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia.(cm)	Turns	Rdc, Ω	No.	Dia.(cm)	Turns	Rdc, Ω
12	0.213	9	0.00161	21	0.0785	29	0.0319
13	0.190	10	0.00225	22	0.0701	33	0.0449
14	0.171	12	0.00311	23	0.0632	37	0.0621
15	0.153	14	0.00434	24	0.0566	41	0.0869
16	0.137	16	0.00606	25	0.0505	47	0.122
17	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

A_L vs NI Curve (26 μ , 60 μ , 75 μ , 90 μ)



TYPICAL PART NO. **KNF 065-060 A**

KDM .Neu Flux™ Cores
Size:OD in 100th inches
Permeability(μ_e)
Core Grading



KDM Material Mix No.
KNF™:Neu Flux™ Cores(Brown)
KS:Sendust Cores(Black)
KSF:Si-Fe™ Cores(Blue)
KH:High Flux Cores(Khaki)
KM:MPP Cores(Gray)

ℓ_e : 平均磁路长度 (Mean Magnetic Path Length)
 A_e : 横截面积(Cross Section Area)
V : 磁芯体积(Core Volume)
W : 窗口面积(Window Area)

Physical Specifications

Before Coating			After Coating			ℓ_e in/cm	A_e in ² /cm ²	V in ³ /cm ³	W in ² /cm ²
OD(Max) in/mm	ID(Min) in/mm	Ht(Max) in/mm	OD(Max) in/mm	ID(Min) in/mm	Ht(Max) in/mm				
0.800 20.30	0.500 12.70	0.250 6.35	0.830 21.10	0.475 12.07	0.280 7.11	2.01 5.090	0.0350 0.226	0.0703 1.150	0.1772 1.140

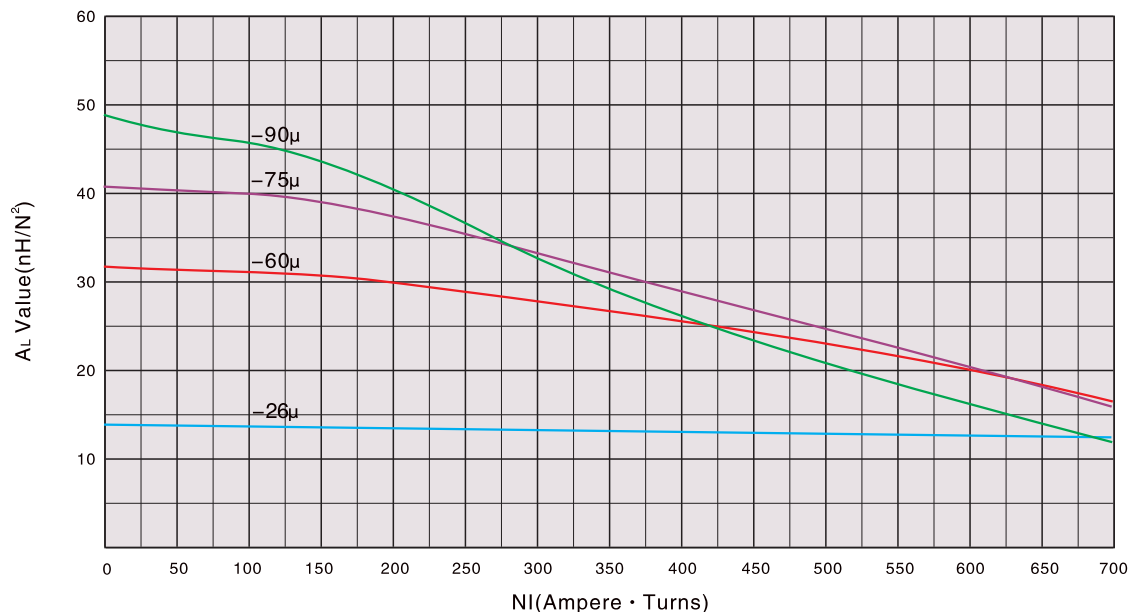
Electrical Specifications

KDM Part No.	Perm. μ_e	A_L $\pm 8\%$
KNF080-026A	26	14
KNF080-060A	60	32
KNF080-075A	75	41
KNF080-090A	90	49

Magnet Wire Winding Data

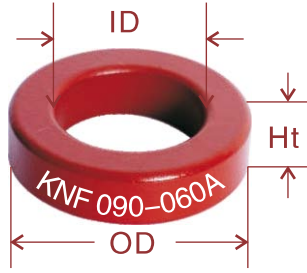
AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia.(cm)	Turns	Rdc, Ω	No.	Dia.(cm)	Turns	Rdc, Ω
12	0.213	13	0.00221	21	0.0785	40	0.0430
13	0.190	15	0.00307	22	0.0701	45	0.0604
14	0.171	17	0.00424	23	0.0632	50	0.0834
15	0.153	19	0.00590	24	0.0566	56	0.0117
16	0.137	22	0.00822	25	0.0505	63	0.0164
17	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

AL vs NI Curve(26 μ ,60 μ , 75 μ ,90 μ)



TYPICAL PART NO. KNF 090-060 A

KDM Neu Flux™ Cores
Size: OD in 100th inches
Permeability (μ_e)
Core Grading



KDM Material Mix No.
KNF™: Neu Flux™ Cores (Brown)
KS: Sendust Cores (Black)
KSF: Si-Fe™ Cores (Blue)
KH: High Flux Cores (Khaki)
KM: MPP Cores (Gray)

l_e : 平均磁路长度 (Mean Magnetic Path Length)
 A_e : 横截面积 (Cross Section Area)
 V : 磁芯体积 (Core Volume)
 W : 窗口面积 (Window Area)

Physical Specifications

Before Coating			After Coating			l_e in/cm	A_e in ² /cm ²	V in ³ /cm ³	W in ² /cm ²
OD(Max) in/mm	ID(Min) in/mm	Ht(Max) in/mm	OD(Max) in/mm	ID(Min) in/mm	Ht(Max) in/mm				
0.900 22.9	0.550 14.00	0.300 7.62	0.930 23.62	0.527 13.39	0.330 8.38	2.23 5.670	0.0513 0.331	0.114 1.880	0.2181 1.410

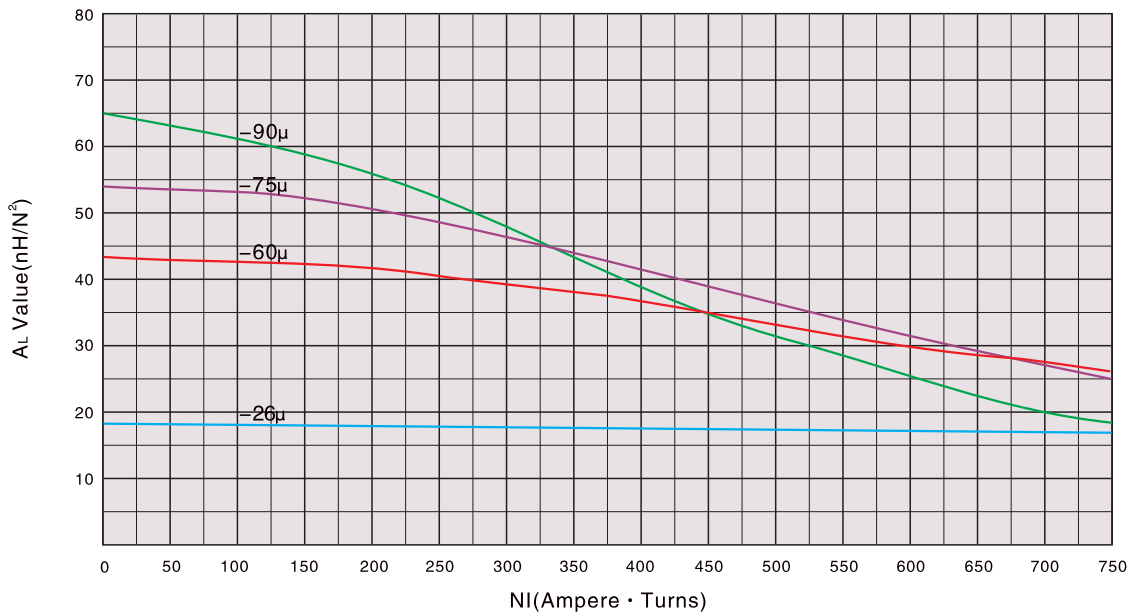
Electrical Specifications

KDM Part No.	Perm. μ_e	A_L $\pm 8\%$
KNF090-026A	26	19
KNF090-060A	60	43
KNF090-075A	75	54
KNF090-090A	90	65

Magnet Wire Winding Data

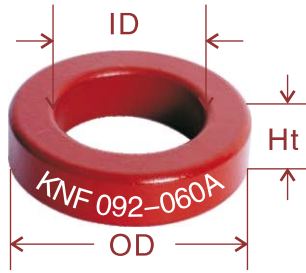
AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia.(cm)	Turns	Rdc, Ω	No.	Dia.(cm)	Turns	Rdc, Ω
12	0.213	15	0.00276	21	0.0785	45	0.0548
13	0.190	17	0.00384	22	0.0701	50	0.0770
14	0.171	19	0.00532	23	0.0632	56	0.107
15	0.153	22	0.00742	24	0.0566	63	0.150
16	0.137	25	0.0104	25	0.0505	71	0.210
17	0.122	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

A_L vs NI Curve (26 μ , 60 μ , 75 μ , 90 μ)



TYPICAL PART NO. **KNF 092-060 A**

KDM .Neu Flux™ Cores
Size:OD in 100th inches
Permeability(μ_e)
Core Grading



KDM Material Mix No.
KNF™:Neu Flux™ Cores(Brown)
KS:Sendust Cores(Black)
KSF:Si-Fe™ Cores(Blue)
KH:High Flux Cores(Khaki)
KM:MPP Cores(Gray)

ℓ_e : 平均磁路长度 (Mean Magnetic Path Length)
 A_e : 横截面积(Cross Section Area)
V : 磁芯体积(Core Volume)
W : 窗口面积(Window Area)

Physical Specifications

Before Coating			After Coating			ℓ_e in/cm	A_e in ² /cm ²	V in ³ /cm ³	W in ² /cm ²
OD(Max) in/mm	ID(Min) in/mm	Ht(Max) in/mm	OD(Max) in/mm	ID(Min) in/mm	Ht(Max) in/mm				
0.928 23.60	0.567 14.40	0.350 8.89	0.956 24.30	0.542 13.77	0.382 9.70	2.32 5.880	0.061 0.388	0.142 2.280	0.2307 1.490

Electrical Specifications

KDM Part No.	Perm. μ_e	A_L $\pm 8\%$
KNF092-026A	26	22
KNF092-060A	60	51
KNF092-075A	75	63
KNF092-090A	90	76

Magnet Wire Winding Data

AWG Wire		Single Layer		AWG Wire		Single Layer	
No.	Dia.(cm)	Turns	Rdc, Ω	No.	Dia.(cm)	Turns	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	104	0.657
20	0.0879	41	0.0443	29	0.0330	112	0.901

A_L vs NI Curve (26 μ , 60 μ , 75 μ , 90 μ)

