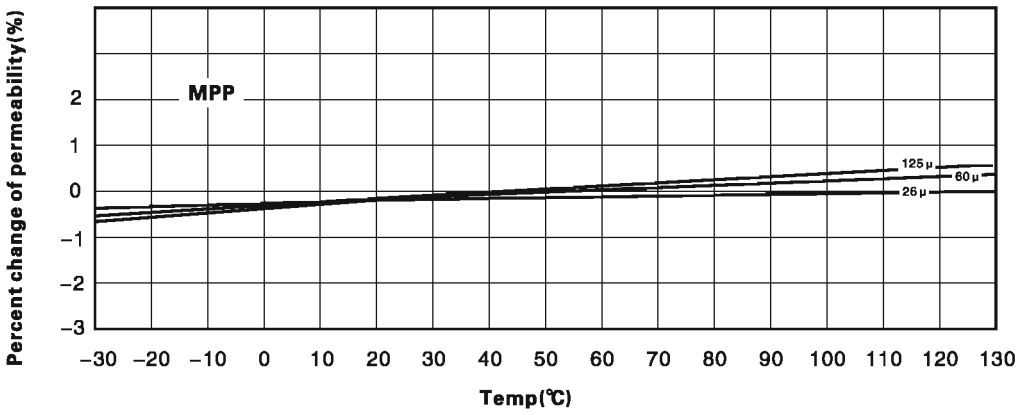
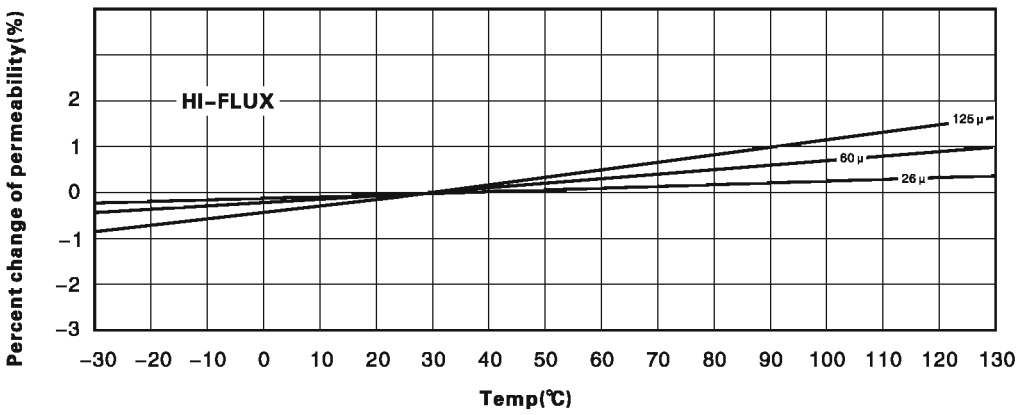
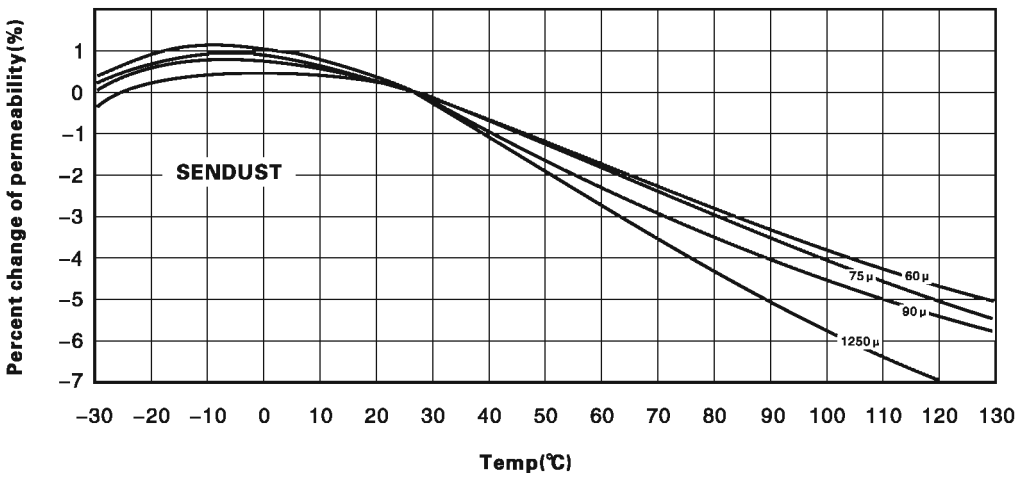
ALLOY POWDER CORE SERIES PRODUCTS

Material Characteristics Curves

Temperature Stability





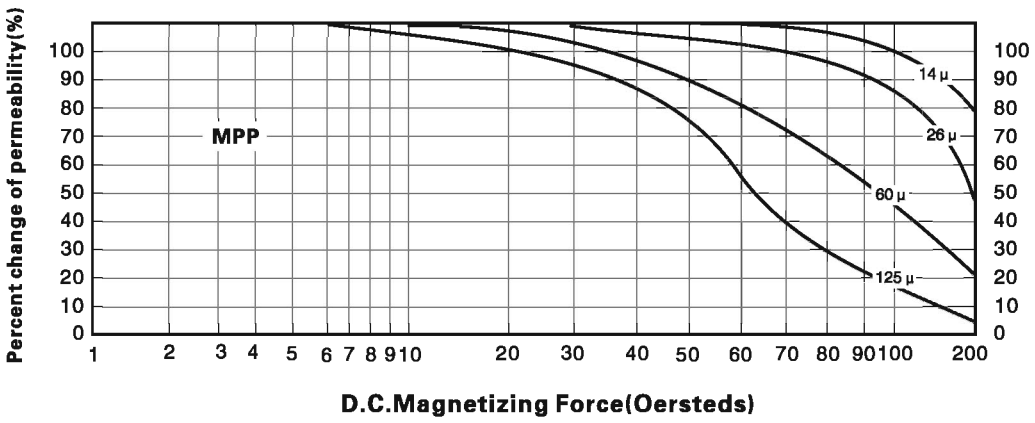


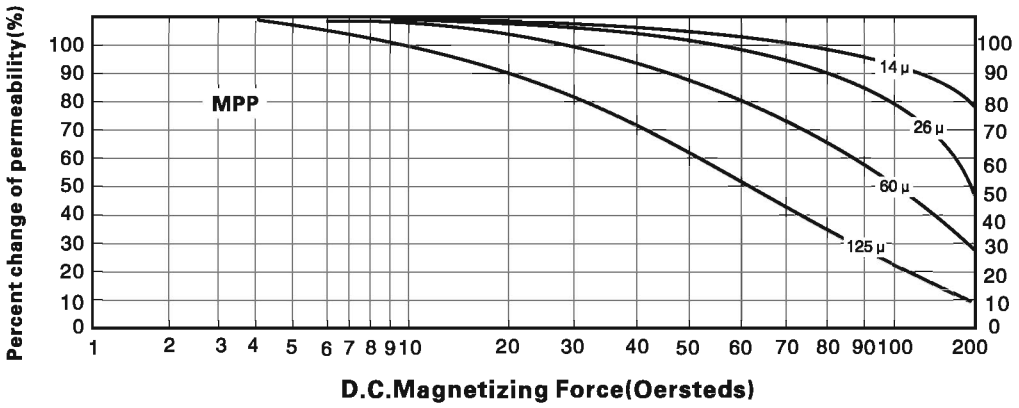
SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086-29-87851838 Fax:0086-29-87851840

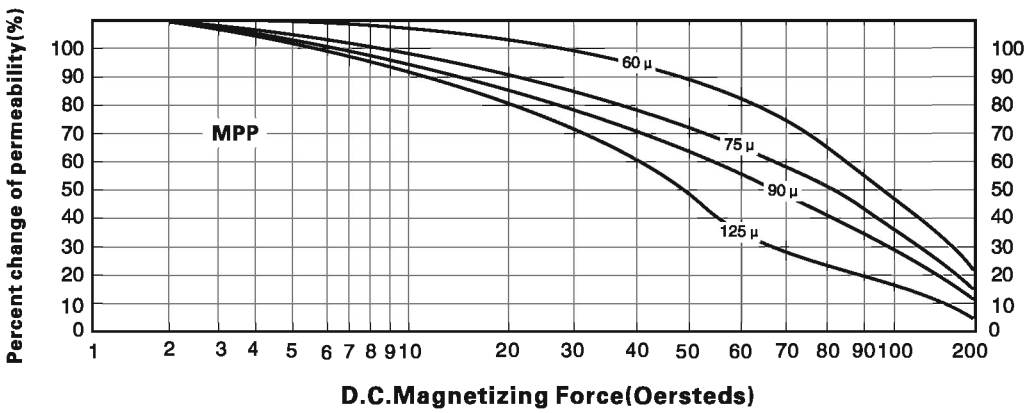
ALLOY POWDER CORE SERIES PRODUCTS

Material Characteristics Curves

Typical Incremental Permeability vs.D.C.Bias



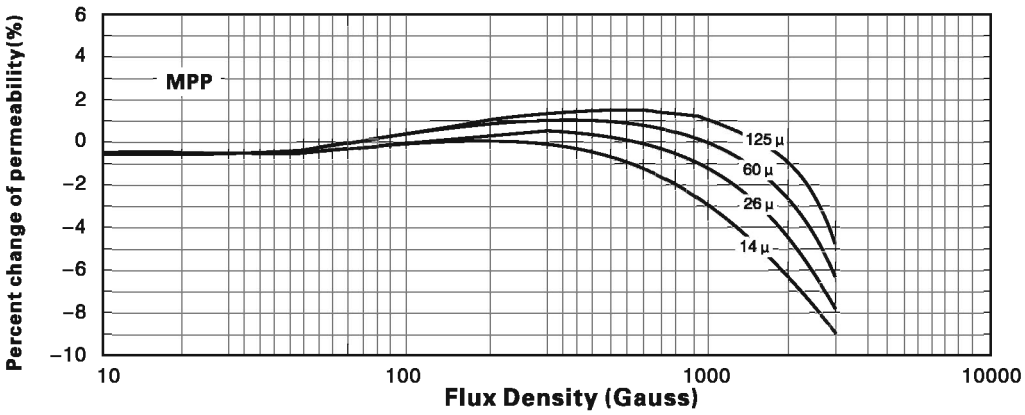


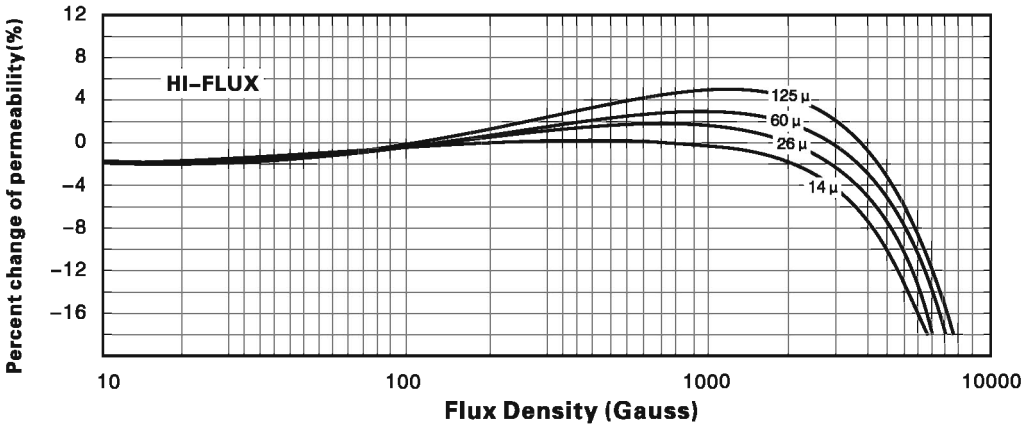


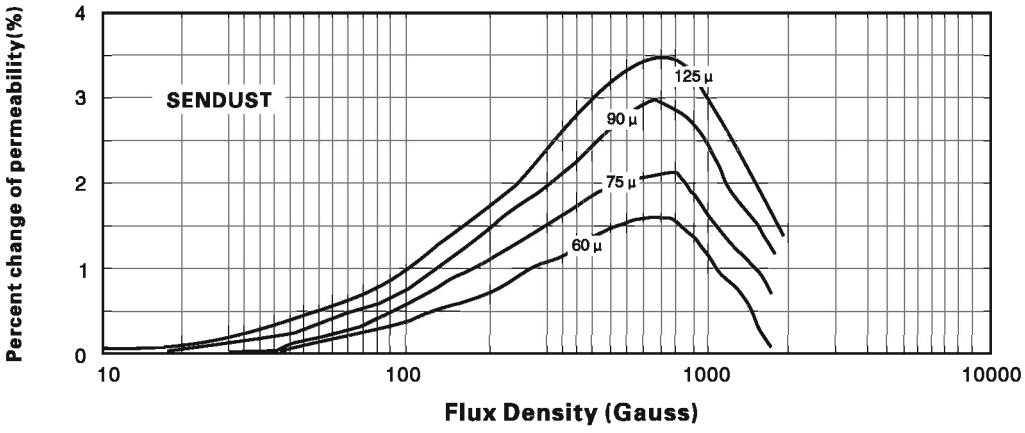
ALLOY POWDER CORE SERIES PRODUCTS

Material Characteristics Curves

Permeability vs AC Flux Density





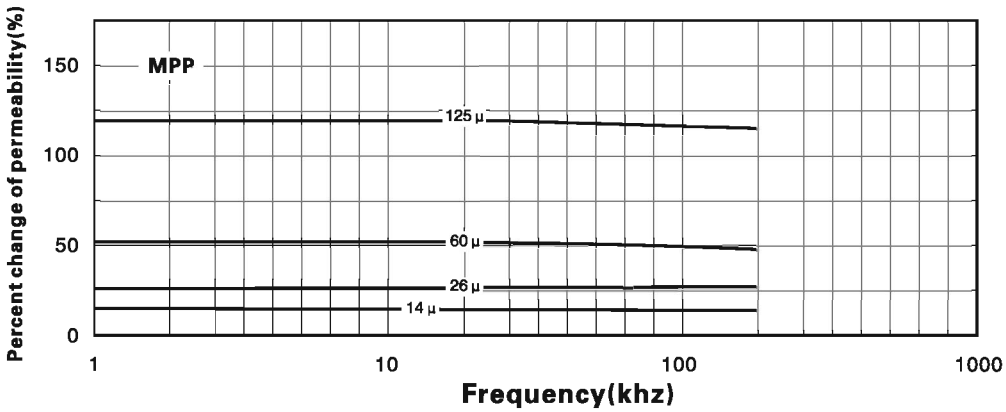


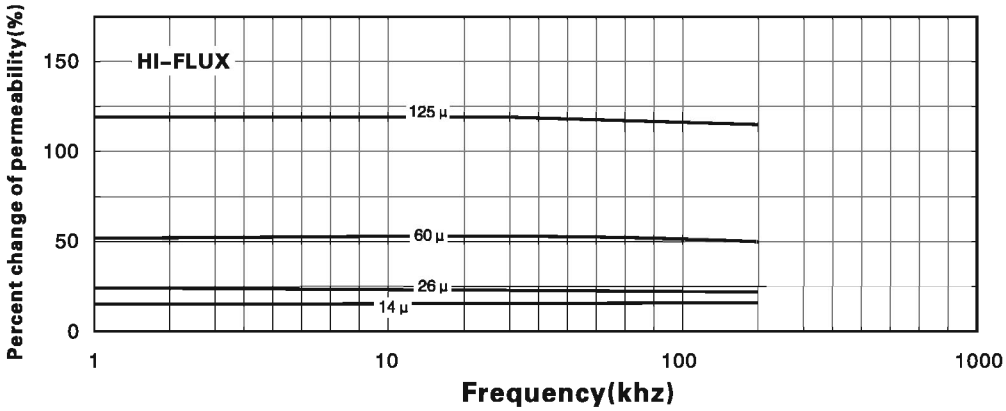
SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086−29−87851838 Fax:0086−29−87851840

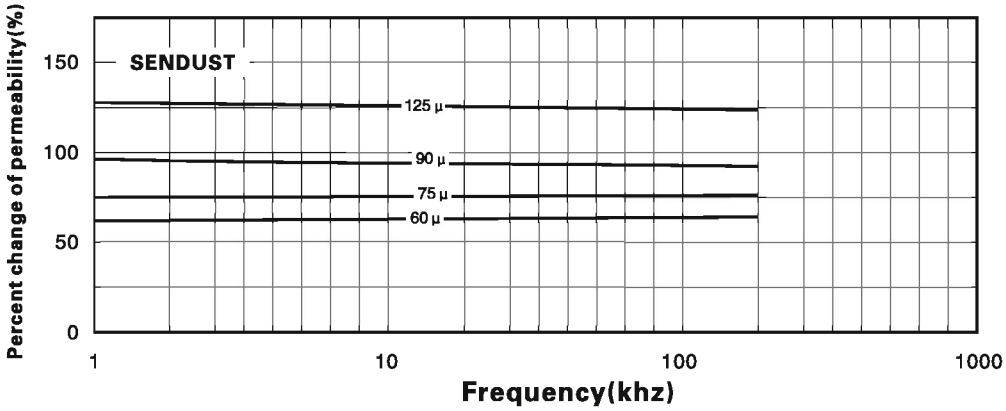
ALLOY POWDER CORE SERIES PRODUCTS

Material Characteristics Curves

Permeability vs.Frequency





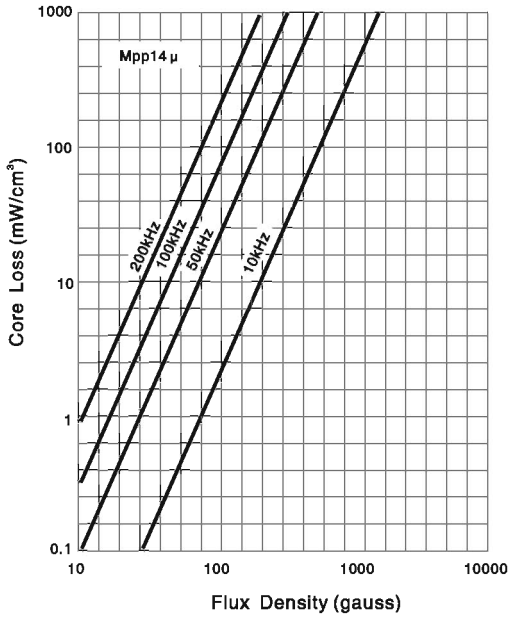


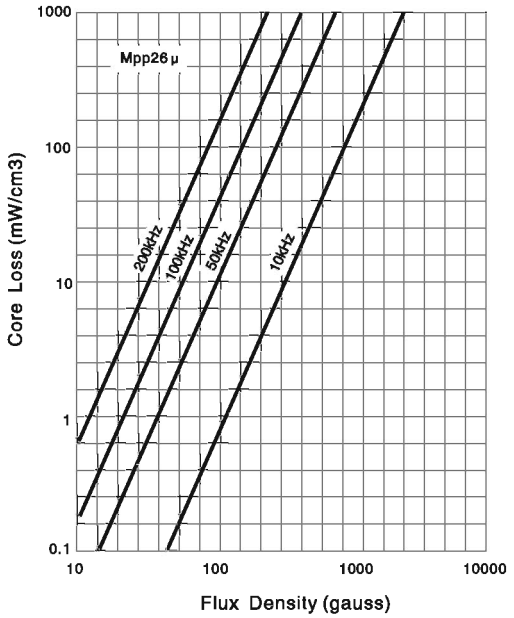
ALLOY POWDER CORE SERIES PRODUCTS

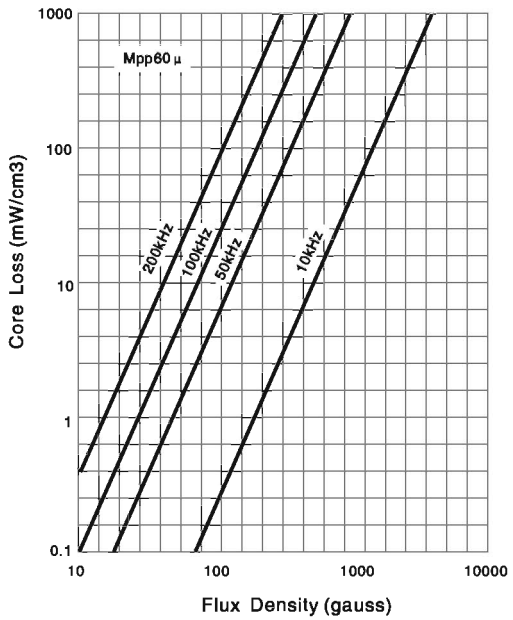
Material Characteristics Curves

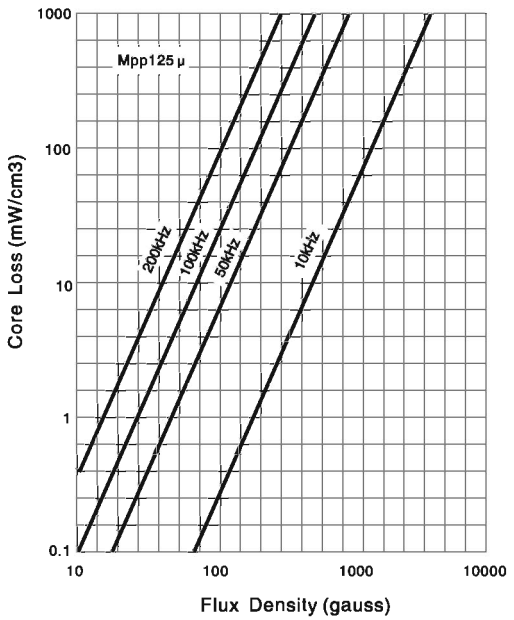
E Type Cores

Core Loss vs. Flux Density







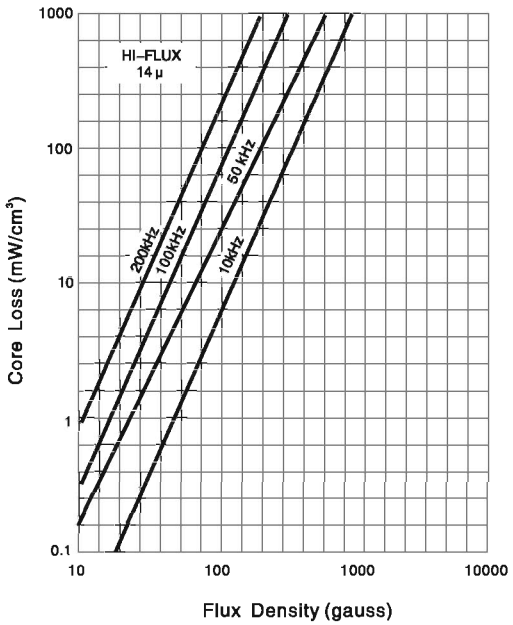


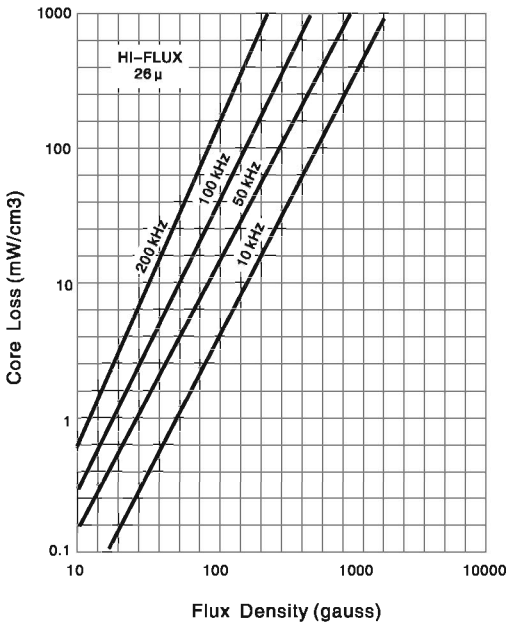
ALLOY POWDER CORE SERIES PRODUCTS

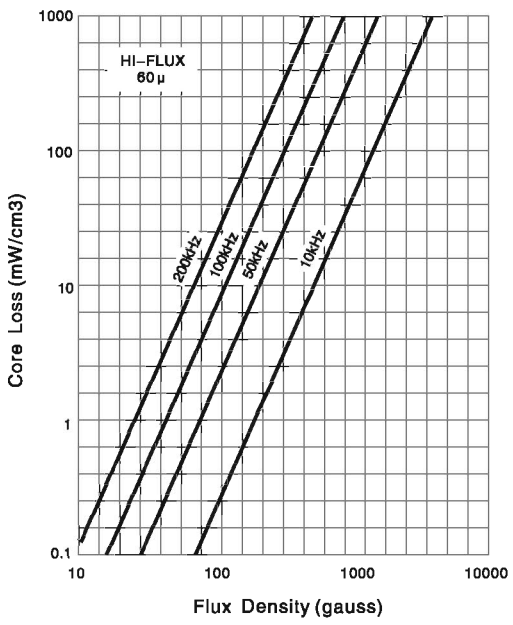
Material Characteristics Curves

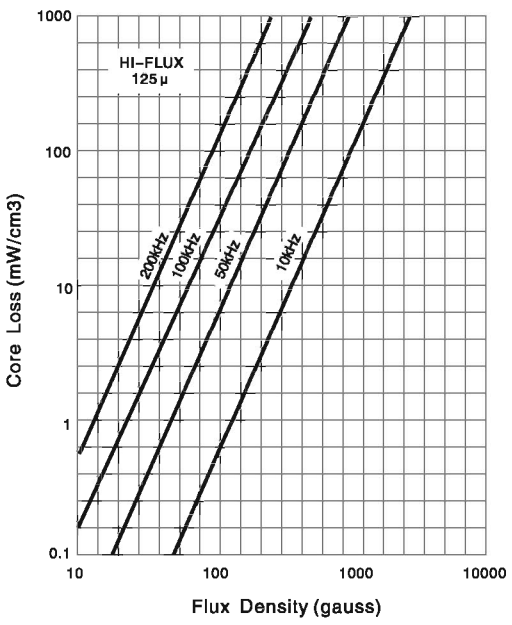
E Type Cores

Core Loss vs. Flux Density







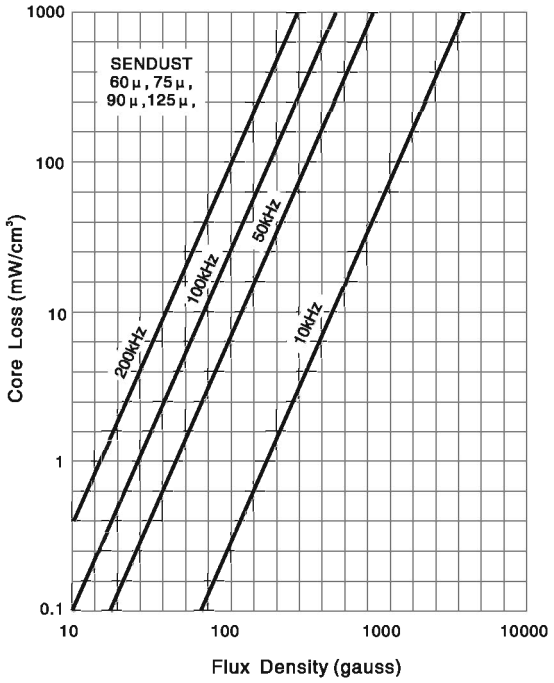


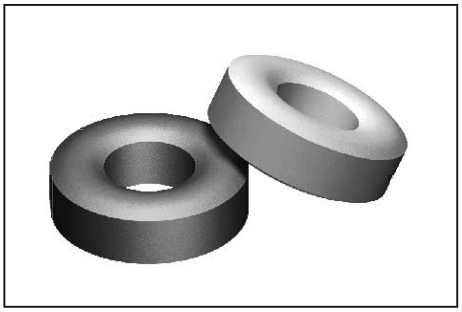
ALLOY POWDER CORE SERIES PRODUCTS

Material Characteristics Curves

E Type Cores

Core Loss vs. Flux Density





ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores

TYPICAL PART No.

MPP 106—125
HF
KS

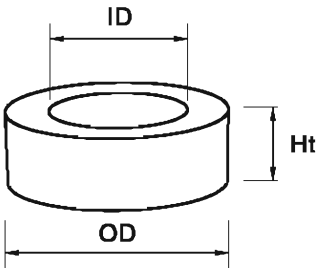
- Permeability(μ_e)
- Size Designation
- Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			Le cm	Ae cm²	Ve cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
031-14	6	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
031-26	11	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
031-60	25	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
031-75	31	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
031-90	37	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
031-125	52	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
038-26	14	9.65	4.78	3.96	10.29	4.27	4.60	2.180	0.094	0.206
038-60	32	9.65	4.78	3.96	10.29	4.27	4.60	2.180	0.094	0.206
038-75	40	9.65	4.78	3.96	10.29	4.27	4.60	2.180	0.094	0.206
038-90	48	9.65	4.78	3.96	10.29	4.27	4.60	2.180	0.094	0.206
038-125	66	9.65	4.78	3.96	10.29	4.27	4.60	2.180	0.094	0.206
039-14	6	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
039-26	11	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
039-60	25	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
039-75	32	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
039-90	38	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
039-125	53	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
040-14	7	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238
040-26	14	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238
040-60	32	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238
040-75	40	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238
040-90	48	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238
040-125	66	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238

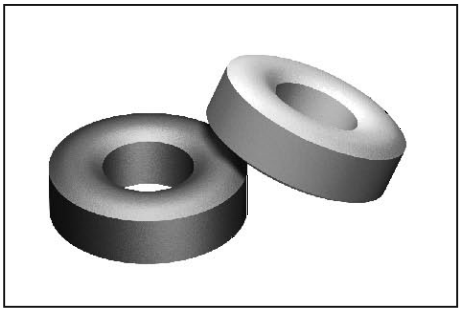
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores



TYPICAL PART No.

MPP 106—125
HF
KS

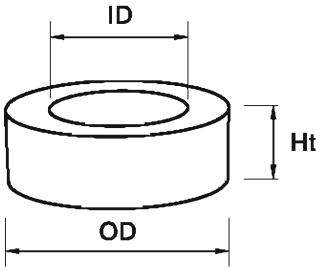
- Permeability(μ_e)
- Size Designation
- Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

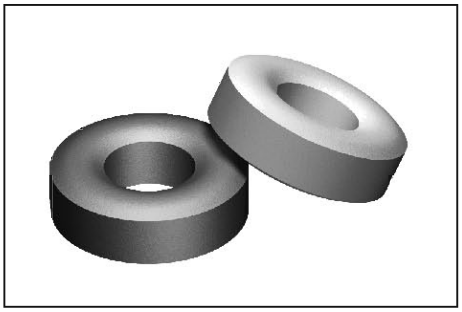
Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
050–14	6.4	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
050–26	12	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
050–60	27	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
050–75	34	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
050–90	40	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
050–125	56	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
065–14	8	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
065–26	15	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
065–60	35	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
065–75	43	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
065–90	52	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
065–125	72	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
068–14	10	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
068–26	19	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
068–60	43	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
068–75	53	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
068–90	64	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
068–125	89	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
080–26	14	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150
080–35	19	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150
080–60	32	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150
080–75	41	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150
080–90	49	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150
080–125	68	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086-29-87851838 Fax:0086-29-87851840



ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores

TYPICAL PART No.

MPP 106—125
HF
KS

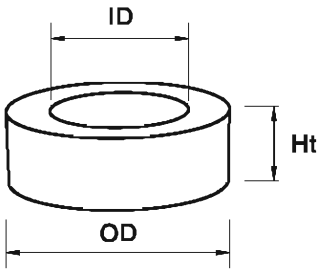
- 106—125 → Permeability(μ_e)
- 106—125 → Size Designation
- KS → Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
090-26	19	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
090-35	25	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
090-60	43	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
090-75	54	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
090-90	65	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
090-125	90	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
092-26	22	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
092-35	30	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
092-60	51	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
092-75	63	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
092-90	76	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
092-125	105	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
106-26	32	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
106-35	45	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
106-60	75	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
106-75	94	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
106-90	113	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
106-125	157	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
107-26	26	26.90	14.70	8.64	27.70	14.10	9.45	6.352	0.497	3.1551
107-60	59	26.90	14.70	8.64	27.70	14.10	9.45	6.352	0.497	3.1551
107-75	74	26.90	14.70	8.64	27.70	14.10	9.45	6.352	0.497	3.1551
107-90	89	26.90	14.70	8.64	27.70	14.10	9.45	6.352	0.497	3.1551
107-125	123	26.90	14.70	8.64	27.70	14.10	9.45	6.352	0.497	3.1551

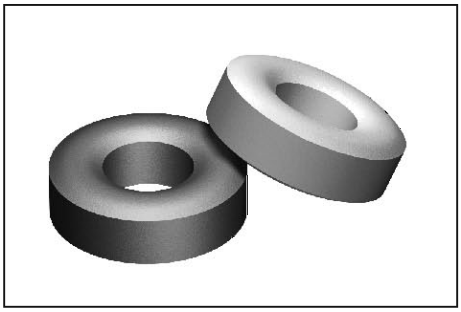
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores



TYPICAL PART No.

MPP 106—125
HF
KS

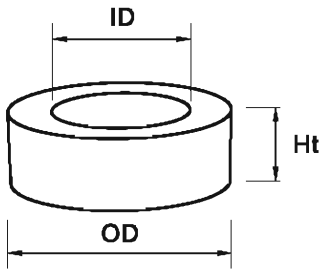
- Permeability(μ_e)
- Size Designation
- Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

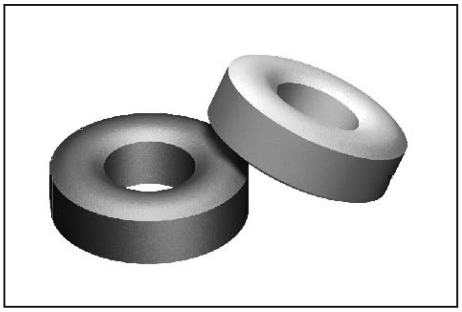
Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
130–26	28	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
130–35	36	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
130–60	61	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
130–75	76	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
130–90	91	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
130–125	127	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
131–26	22	33.00	19.90	8.76	33.83	19.30	9.70	8.147	0.551	4.490
131–60	51	33.00	19.90	8.76	33.83	19.30	9.70	8.147	0.551	4.490
131–75	64	33.00	19.90	8.76	33.83	19.30	9.70	8.147	0.551	4.490
131–90	76.5	33.00	19.90	8.76	33.83	19.30	9.70	8.147	0.551	4.490
131–125	109	33.00	19.90	8.76	33.83	19.30	9.70	8.147	0.551	4.490
132–26	28	33.0	19.90	11.18	33.83	19.30	11.99	8.147	0.698	5.687
132–60	65	33.0	19.90	11.18	33.83	19.30	11.99	8.147	0.698	5.687
132–75	81	33.0	19.90	11.18	33.83	19.30	11.99	8.147	0.698	5.687
132–90	97	33.0	19.90	11.18	33.83	19.30	11.99	8.147	0.698	5.687
132–125	135	33.0	19.90	11.18	33.83	19.30	11.99	8.147	0.698	5.687
135–26	16	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060
135–35	22	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060
135–60	38	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060
135–75	47	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060
135–90	57	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060
135–125	79	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086-29-87851838 Fax:0086-29-87851840



ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores

TYPICAL PART No.

MPP 106—125
HF
KS

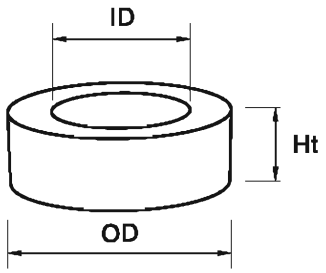
- Permeability(μ_e)
- Size Designation
- Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
141-26	24	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
141-35	33	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
141-60	56	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
141-75	70	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
141-90	84	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
141-125	117	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
157-26	35	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
157-35	48	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
157-60	81	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
157-75	101	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
157-90	121	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
157-125	168	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
168-26	47	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
168-35	63	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
168-60	108	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
168-75	135	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
168-90	161	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
168-125	224	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
184-26	59	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300
184-35	80	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300
184-60	135	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300
184-75	169	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300
184-90	202	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300
184-125	281	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300

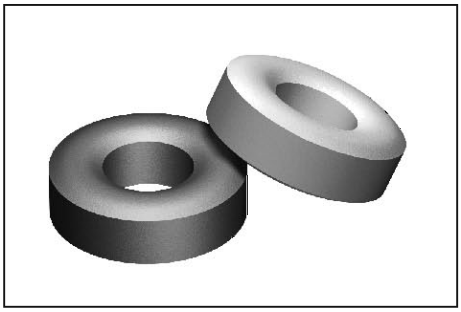
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores



TYPICAL PART No.

MPP 106—125
HF
KS

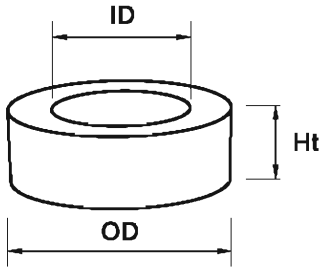
- Permeability(μ_e)
- Size Designation
- Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
185–26	37	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
185–35	50	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
185–60	86	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
185–75	107	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
185–90	128	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
185–125	178	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
200–26	32	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
200–35	43	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
200–60	73	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
200–75	91	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
200–90	109	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
200–125	152	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
225–26	33	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
225–35	44	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
225–60	75	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
225–75	94	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
225–90	112	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
225–125	156	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
226–26	60	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600
226–35	81	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600
226–60	138	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600
226–75	172	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600
226–90	207	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600
226–125	287	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

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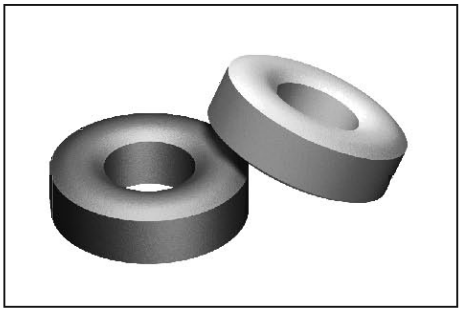


ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores

TYPICAL PART No.

MPP 106—125
HF
KS

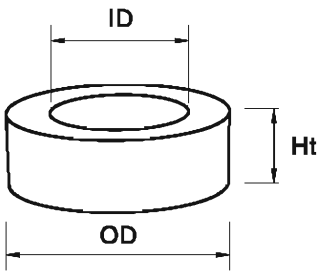
- 106—125 → Permeability(μ_e)
- 106—125 → Size Designation
- MPP / HF / KS → Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
300-26	30	77.80	49.20	12.70	78.90	48.20	13.84	20.00	1.770	34.700
300-60	68	77.80	49.20	12.70	78.90	48.20	13.84	20.00	1.770	34.700
300-75	85	77.80	49.20	12.70	78.90	48.20	13.84	20.00	1.770	34.700
300-90	102	77.80	49.20	12.70	78.90	48.20	13.84	20.00	1.770	34.700
300-125	142	77.80	49.20	12.70	78.90	48.20	13.84	20.00	1.770	34.700
301-26	37	77.80	49.20	15.90	78.90	48.20	17.02	19.950	2.270	45.300
301-60	85	77.80	49.20	15.90	78.90	48.20	17.02	19.950	2.270	45.300
301-75	107	77.80	49.20	15.90	78.90	48.20	17.02	19.950	2.270	45.300
301-90	128	77.80	49.20	15.90	78.90	48.20	17.02	19.950	2.270	45.300
301-125	178	77.80	49.20	15.90	78.90	48.20	17.02	19.950	2.270	45.300

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

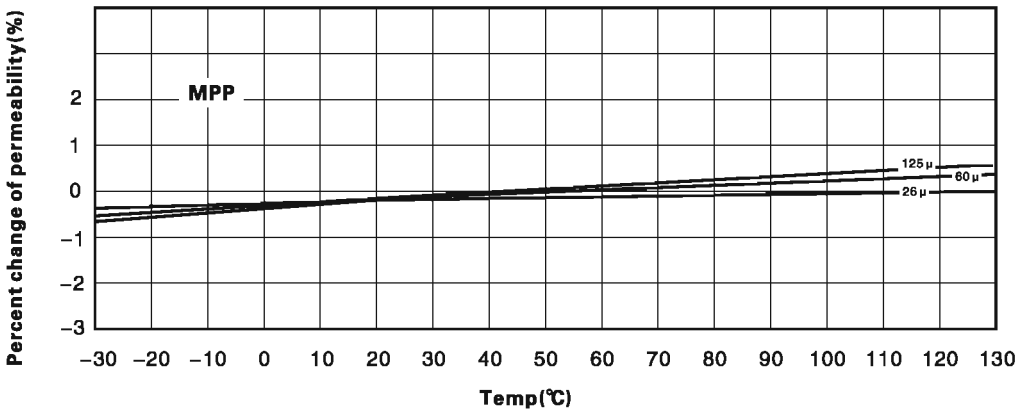


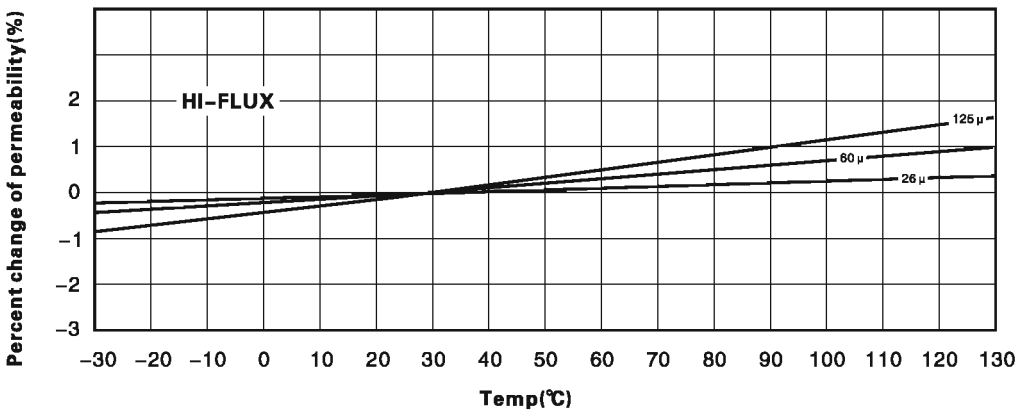
Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

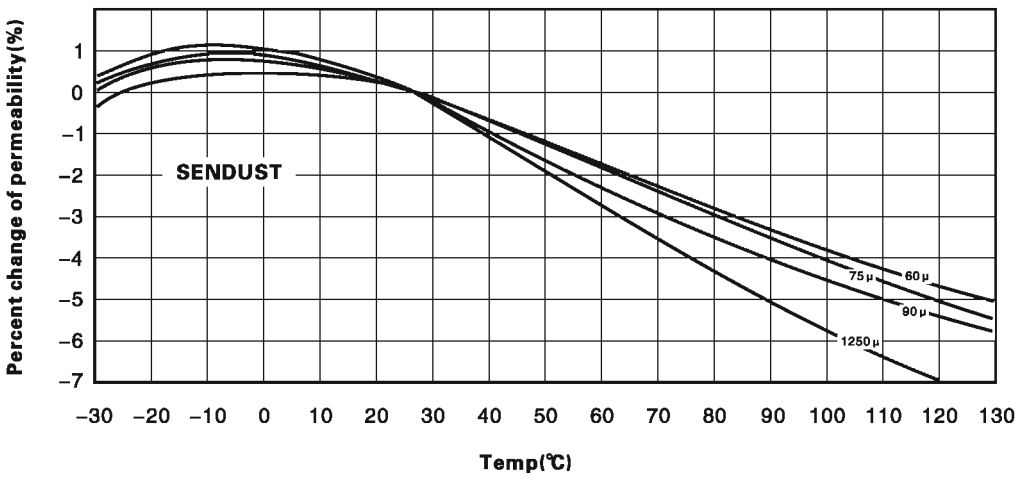
ALLOY POWDER CORE SERIES PRODUCTS

Material Characteristics Curves

Temperature Stability







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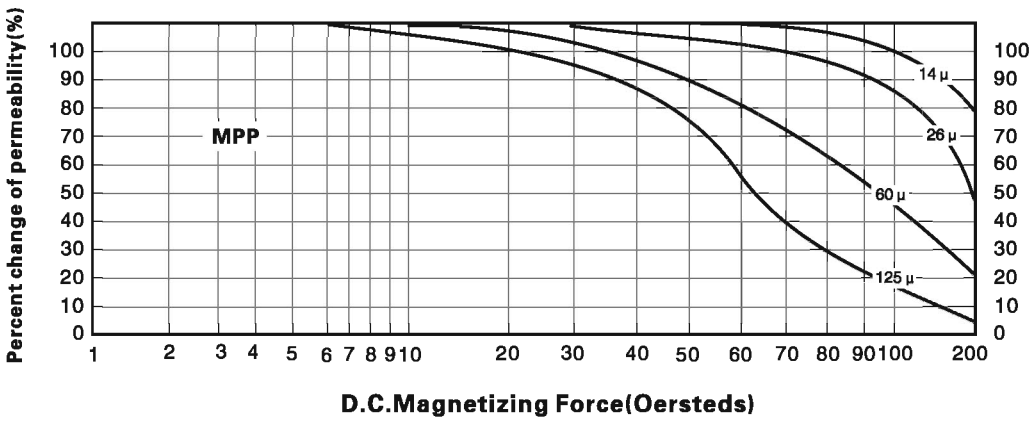
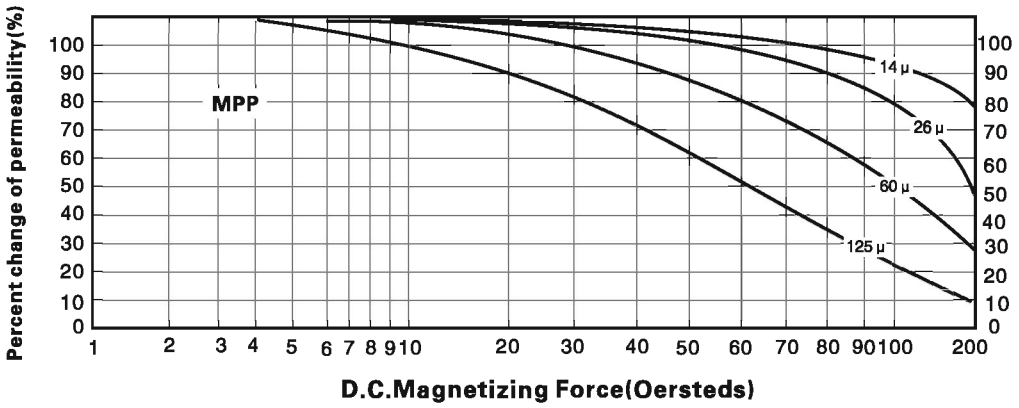
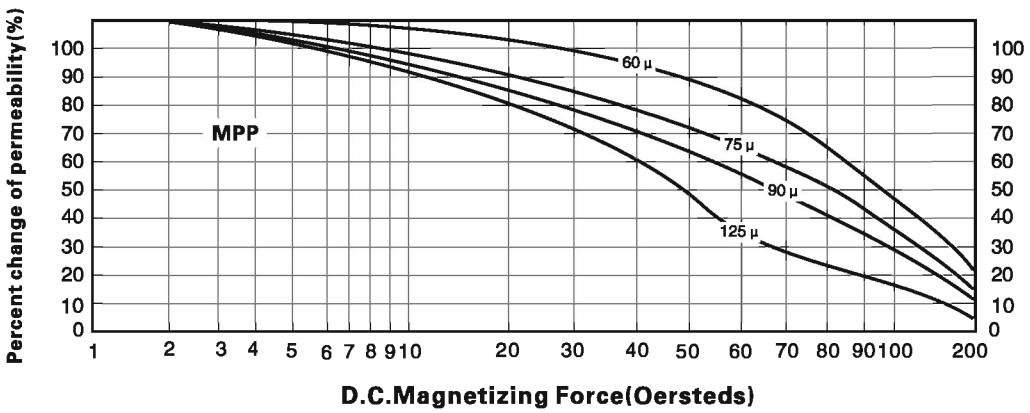
ALLOY POWDER CORE SERIES PRODUCTS

Material Characteristics Curves

Typical Incremental Permeability vs.D.C.Bias



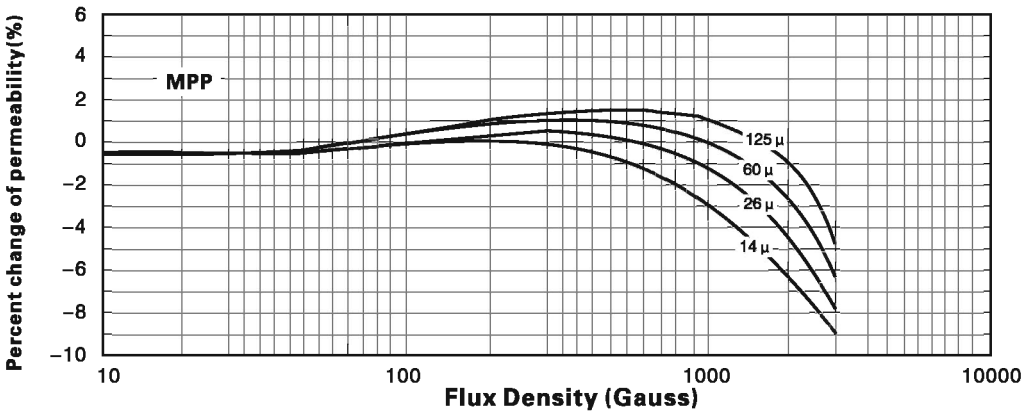


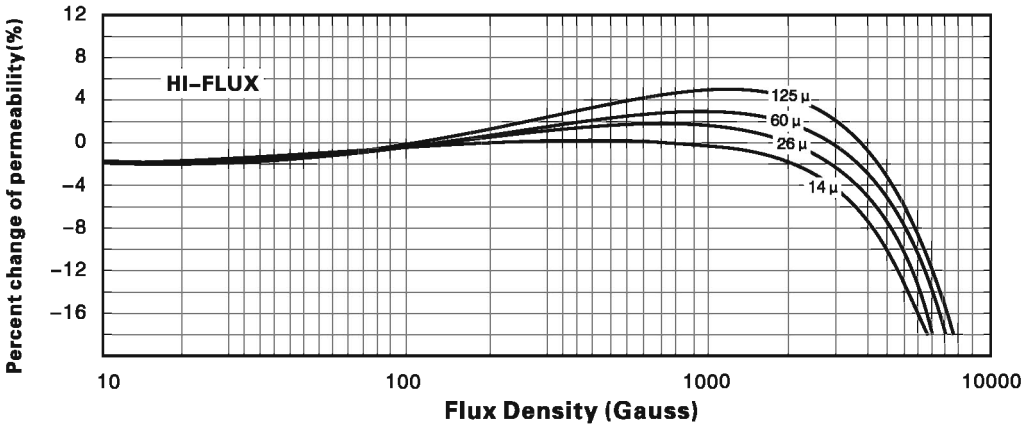


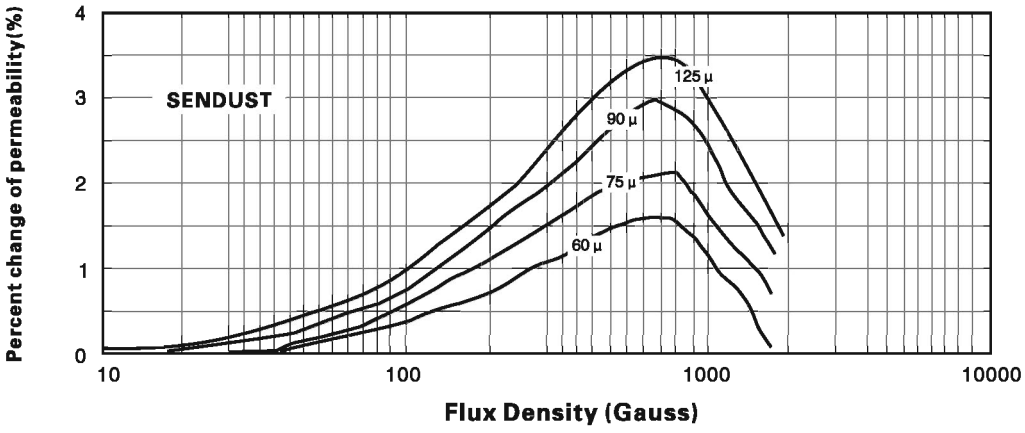
ALLOY POWDER CORE SERIES PRODUCTS

Material Characteristics Curves

Permeability vs AC Flux Density







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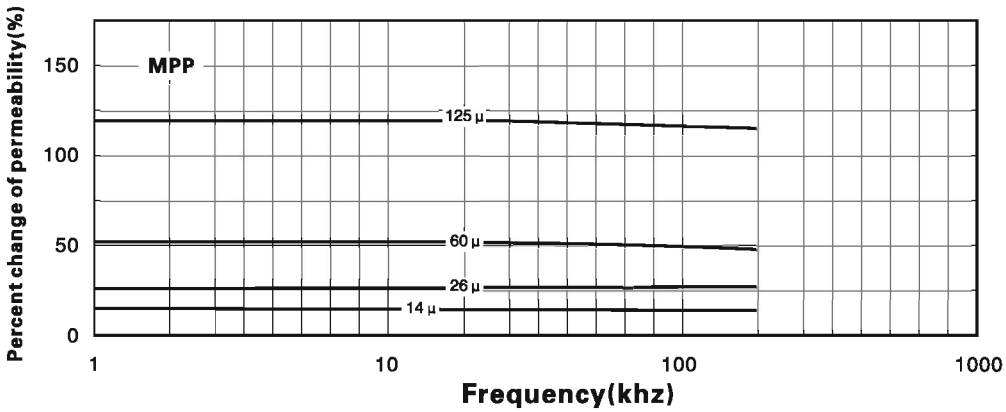
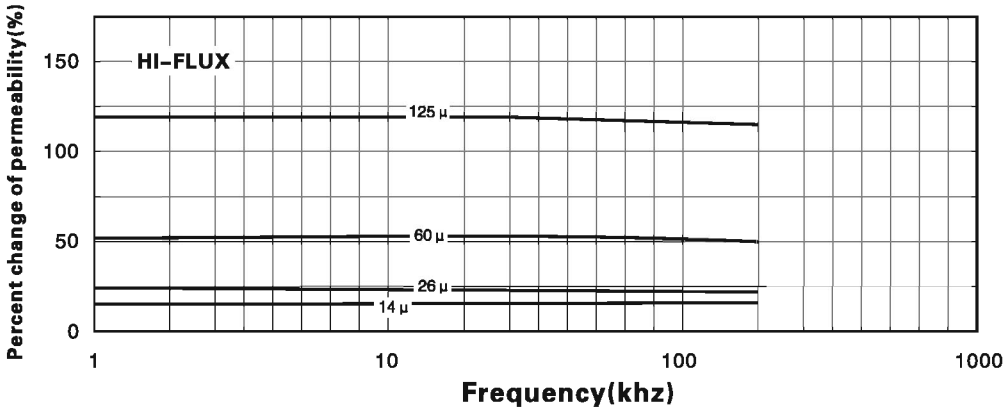
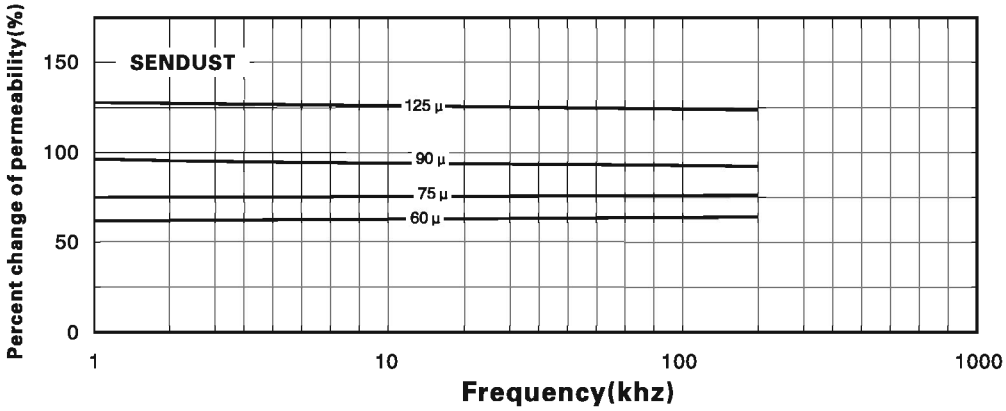
ALLOY POWDER CORE SERIES PRODUCTS

Material Characteristics Curves

Permeability vs.Frequency





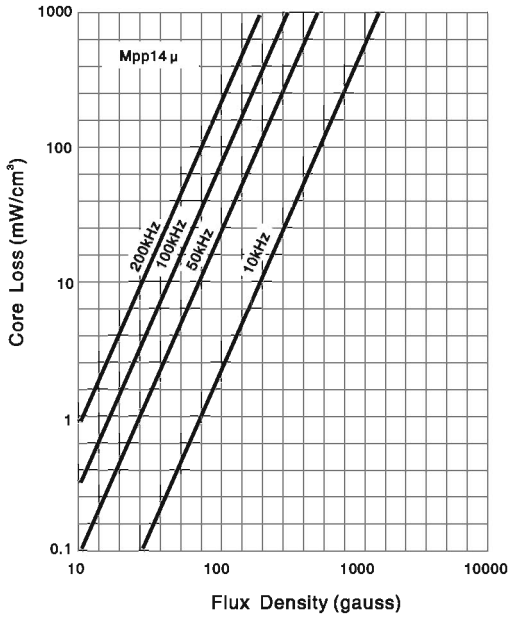


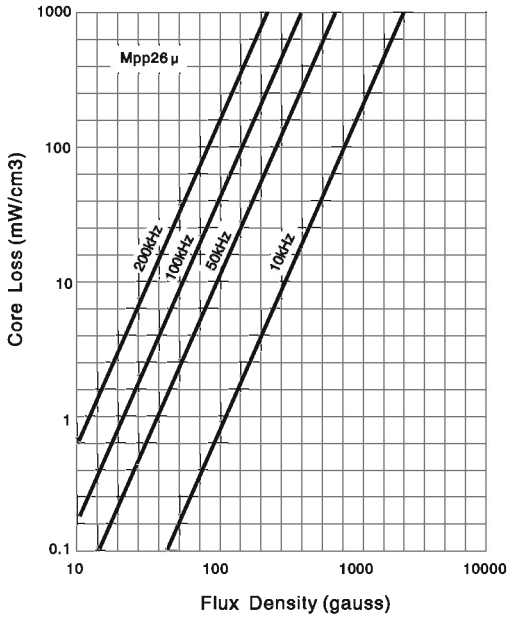
ALLOY POWDER CORE SERIES PRODUCTS

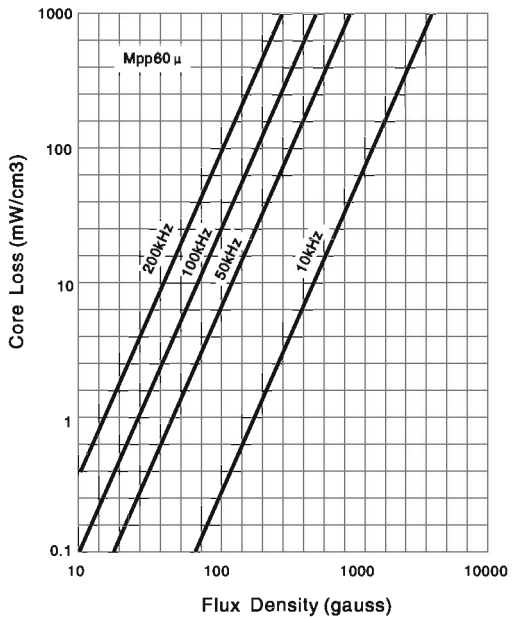
Material Characteristics Curves

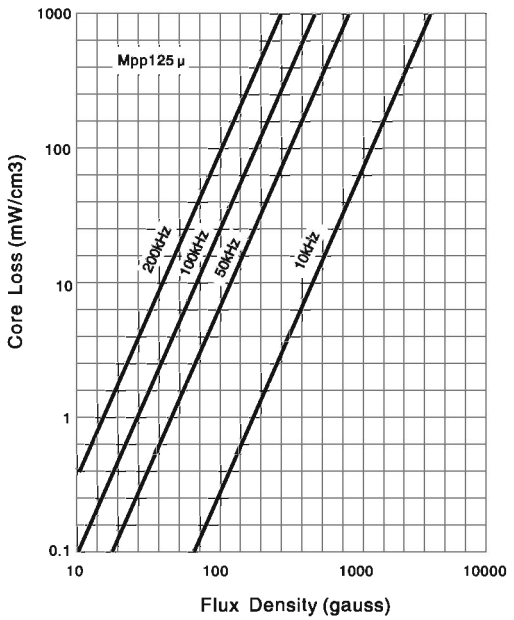
E Type Cores

Core Loss vs. Flux Density







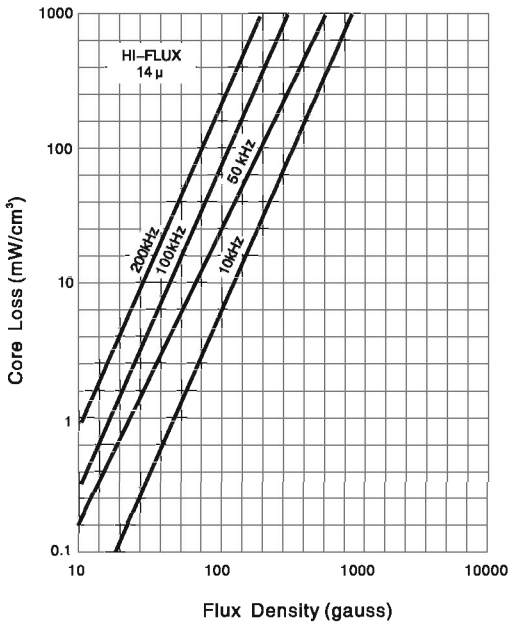


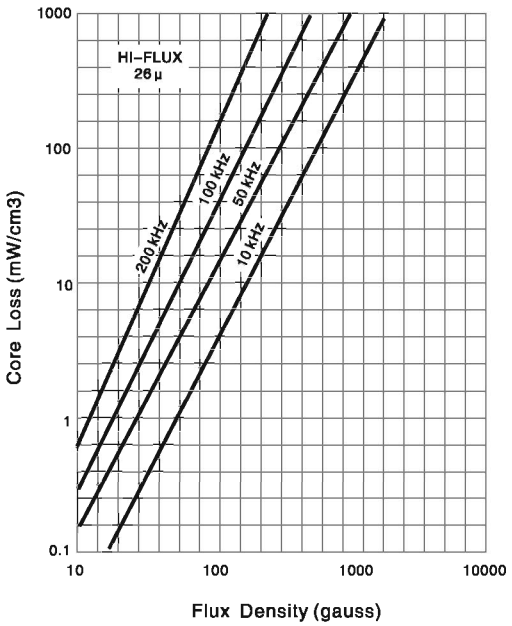
ALLOY POWDER CORE SERIES PRODUCTS

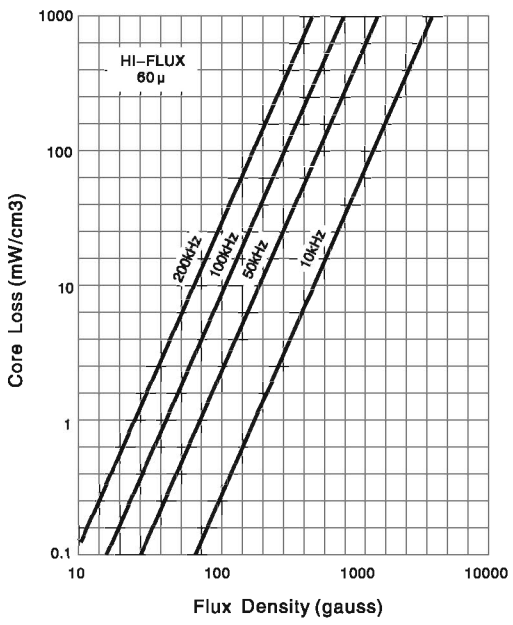
Material Characteristics Curves

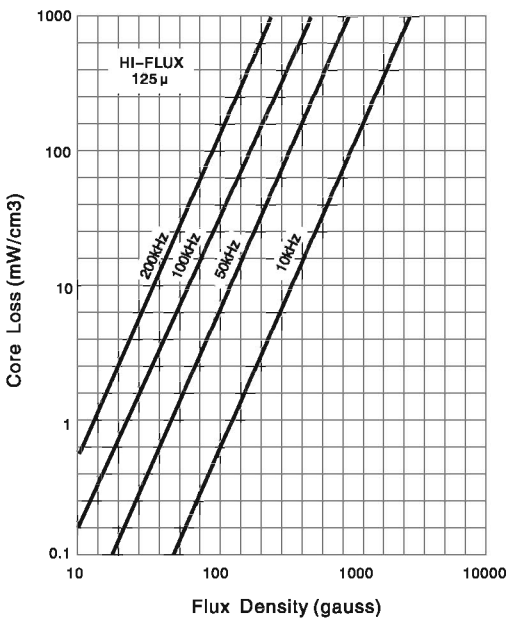
E Type Cores

Core Loss vs. Flux Density







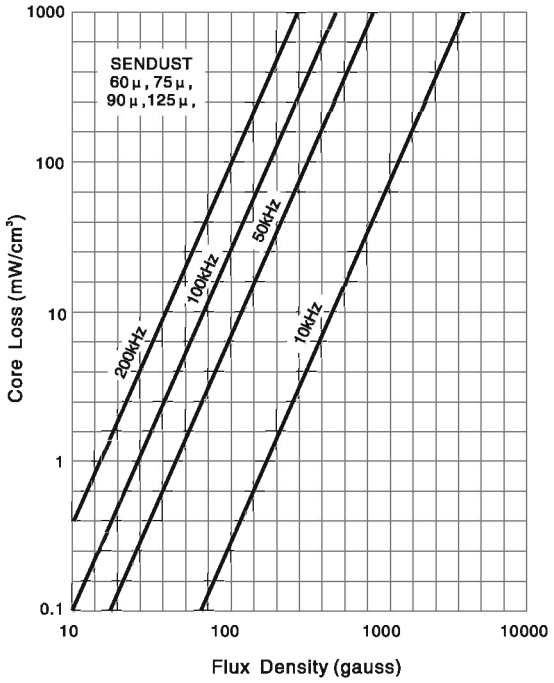


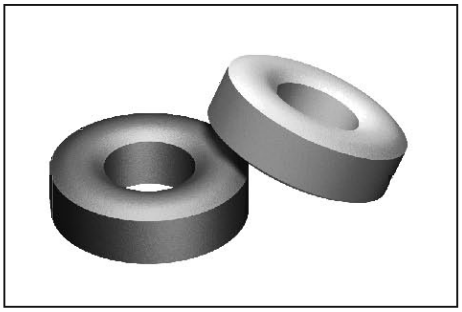
ALLOY POWDER CORE SERIES PRODUCTS

Material Characteristics Curves

E Type Cores

Core Loss vs. Flux Density





ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores

TYPICAL PART No.

MPP 106—125
HF
KS

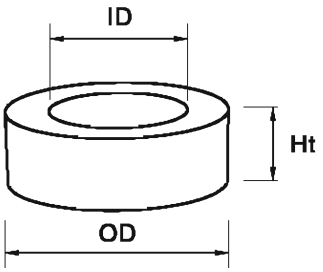
- Permeability(μ_e)
- Size Designation
- Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			Le cm	Ae cm²	Ve cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
031-14	6	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
031-26	11	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
031-60	25	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
031-75	31	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
031-90	37	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
031-125	52	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
038-26	14	9.65	4.78	3.96	10.29	4.27	4.60	2.180	0.094	0.206
038-60	32	9.65	4.78	3.96	10.29	4.27	4.60	2.180	0.094	0.206
038-75	40	9.65	4.78	3.96	10.29	4.27	4.60	2.180	0.094	0.206
038-90	48	9.65	4.78	3.96	10.29	4.27	4.60	2.180	0.094	0.206
038-125	66	9.65	4.78	3.96	10.29	4.27	4.60	2.180	0.094	0.206
039-14	6	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
039-26	11	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
039-60	25	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
039-75	32	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
039-90	38	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
039-125	53	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
040-14	7	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238
040-26	14	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238
040-60	32	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238
040-75	40	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238
040-90	48	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238
040-125	66	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238

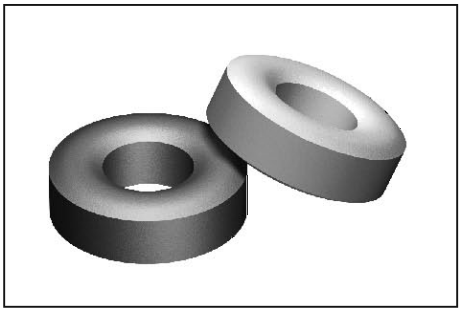
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores



TYPICAL PART No.

MPP 106—125
HF
KS

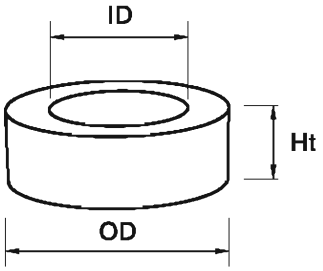
- Permeability(μ_e)
- Size Designation
- Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

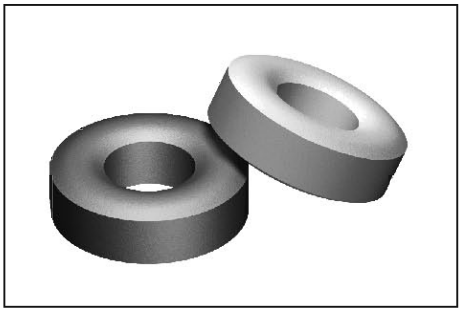
Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
050–14	6.4	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
050–26	12	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
050–60	27	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
050–75	34	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
050–90	40	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
050–125	56	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
065–14	8	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
065–26	15	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
065–60	35	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
065–75	43	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
065–90	52	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
065–125	72	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
068–14	10	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
068–26	19	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
068–60	43	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
068–75	53	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
068–90	64	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
068–125	89	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
080–26	14	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150
080–35	19	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150
080–60	32	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150
080–75	41	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150
080–90	49	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150
080–125	68	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086-29-87851838 Fax:0086-29-87851840



ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores

TYPICAL PART No.

MPP 106—125
HF
KS

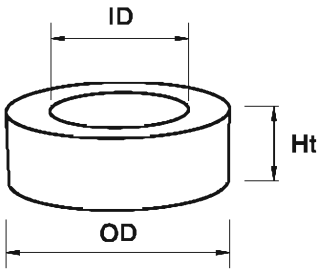
- 106—125 → Permeability(μ_e)
- 106—125 → Size Designation
- KS → Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
090-26	19	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
090-35	25	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
090-60	43	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
090-75	54	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
090-90	65	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
090-125	90	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
092-26	22	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
092-35	30	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
092-60	51	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
092-75	63	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
092-90	76	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
092-125	105	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
106-26	32	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
106-35	45	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
106-60	75	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
106-75	94	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
106-90	113	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
106-125	157	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
107-26	26	26.90	14.70	8.64	27.70	14.10	9.45	6.352	0.497	3.1551
107-60	59	26.90	14.70	8.64	27.70	14.10	9.45	6.352	0.497	3.1551
107-75	74	26.90	14.70	8.64	27.70	14.10	9.45	6.352	0.497	3.1551
107-90	89	26.90	14.70	8.64	27.70	14.10	9.45	6.352	0.497	3.1551
107-125	123	26.90	14.70	8.64	27.70	14.10	9.45	6.352	0.497	3.1551

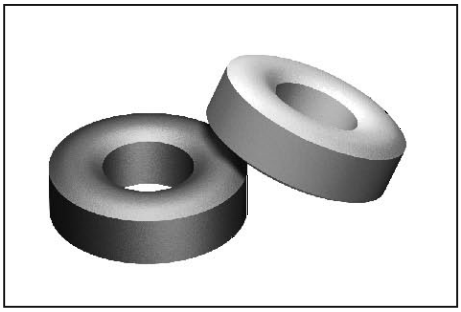
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores



TYPICAL PART No.

MPP 106—125
HF
KS

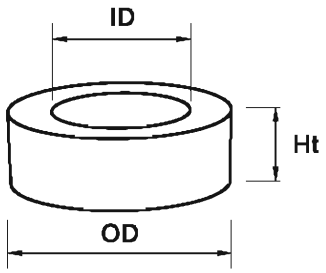
- Permeability(μ_e)
- Size Designation
- Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

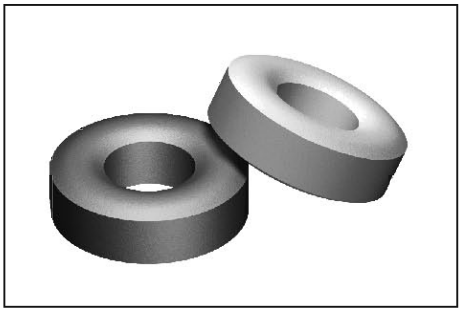
Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
130–26	28	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
130–35	36	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
130–60	61	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
130–75	76	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
130–90	91	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
130–125	127	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
131–26	22	33.00	19.90	8.76	33.83	19.30	9.70	8.147	0.551	4.490
131–60	51	33.00	19.90	8.76	33.83	19.30	9.70	8.147	0.551	4.490
131–75	64	33.00	19.90	8.76	33.83	19.30	9.70	8.147	0.551	4.490
131–90	76.5	33.00	19.90	8.76	33.83	19.30	9.70	8.147	0.551	4.490
131–125	109	33.00	19.90	8.76	33.83	19.30	9.70	8.147	0.551	4.490
132–26	28	33.0	19.90	11.18	33.83	19.30	11.99	8.147	0.698	5.687
132–60	65	33.0	19.90	11.18	33.83	19.30	11.99	8.147	0.698	5.687
132–75	81	33.0	19.90	11.18	33.83	19.30	11.99	8.147	0.698	5.687
132–90	97	33.0	19.90	11.18	33.83	19.30	11.99	8.147	0.698	5.687
132–125	135	33.0	19.90	11.18	33.83	19.30	11.99	8.147	0.698	5.687
135–26	16	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060
135–35	22	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060
135–60	38	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060
135–75	47	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060
135–90	57	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060
135–125	79	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086-29-87851838 Fax:0086-29-87851840



ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores

TYPICAL PART No.

MPP 106—125
HF
KS

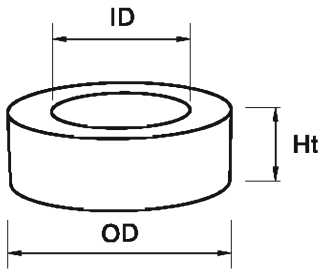
- Permeability(μ_e)
- Size Designation
- Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
141-26	24	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
141-35	33	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
141-60	56	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
141-75	70	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
141-90	84	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
141-125	117	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
157-26	35	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
157-35	48	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
157-60	81	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
157-75	101	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
157-90	121	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
157-125	168	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
168-26	47	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
168-35	63	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
168-60	108	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
168-75	135	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
168-90	161	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
168-125	224	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
184-26	59	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300
184-35	80	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300
184-60	135	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300
184-75	169	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300
184-90	202	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300
184-125	281	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300

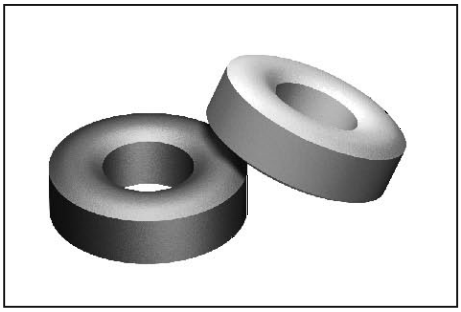
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores



TYPICAL PART No.

MPP 106—125
HF
KS

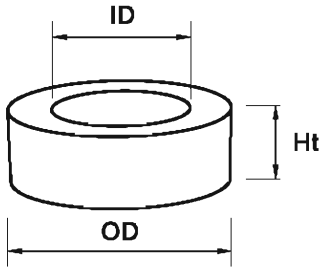
- Permeability(μ_e)
- Size Designation
- Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

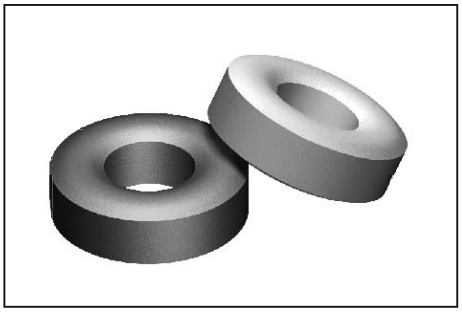
Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
185–26	37	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
185–35	50	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
185–60	86	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
185–75	107	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
185–90	128	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
185–125	178	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
200–26	32	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
200–35	43	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
200–60	73	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
200–75	91	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
200–90	109	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
200–125	152	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
225–26	33	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
225–35	44	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
225–60	75	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
225–75	94	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
225–90	112	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
225–125	156	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
226–26	60	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600
226–35	81	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600
226–60	138	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600
226–75	172	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600
226–90	207	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600
226–125	287	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086-29-87851838 Fax:0086-29-87851840



ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores

TYPICAL PART No.

MPP 106—125
HF
KS

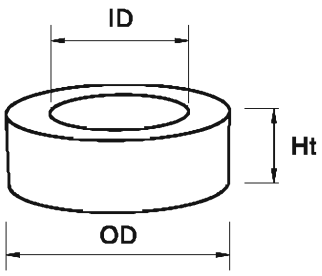
- 106—125 → Permeability(μ_e)
- 106—125 → Size Designation
- MPP / HF / KS → Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
300-26	30	77.80	49.20	12.70	78.90	48.20	13.84	20.00	1.770	34.700
300-60	68	77.80	49.20	12.70	78.90	48.20	13.84	20.00	1.770	34.700
300-75	85	77.80	49.20	12.70	78.90	48.20	13.84	20.00	1.770	34.700
300-90	102	77.80	49.20	12.70	78.90	48.20	13.84	20.00	1.770	34.700
300-125	142	77.80	49.20	12.70	78.90	48.20	13.84	20.00	1.770	34.700
301-26	37	77.80	49.20	15.90	78.90	48.20	17.02	19.950	2.270	45.300
301-60	85	77.80	49.20	15.90	78.90	48.20	17.02	19.950	2.270	45.300
301-75	107	77.80	49.20	15.90	78.90	48.20	17.02	19.950	2.270	45.300
301-90	128	77.80	49.20	15.90	78.90	48.20	17.02	19.950	2.270	45.300
301-125	178	77.80	49.20	15.90	78.90	48.20	17.02	19.950	2.270	45.300

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

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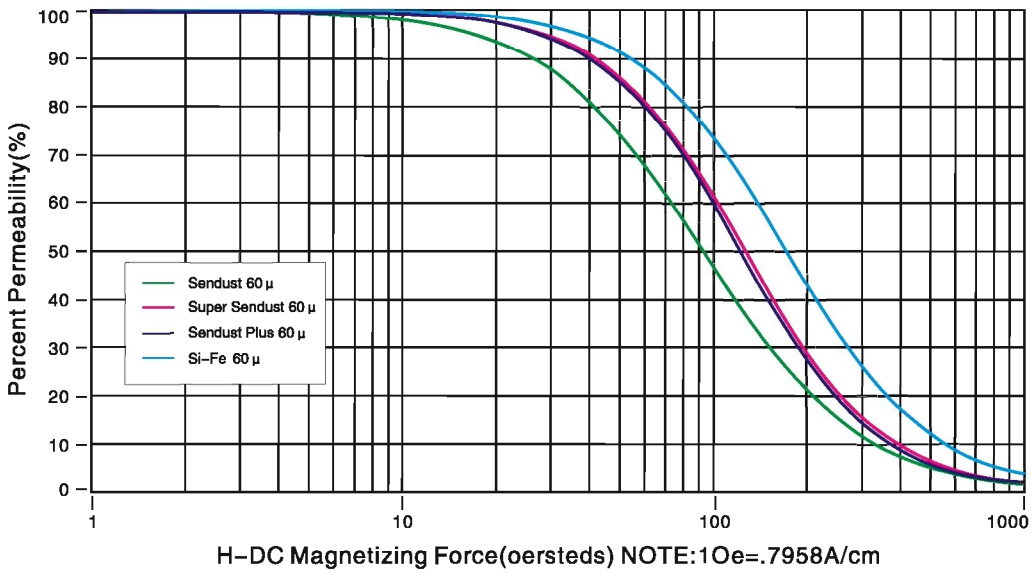
SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.8YanTa Northern Road Zip:710054 Tel:0086-29-87851838 Fax:0086-29-87851840

General Information

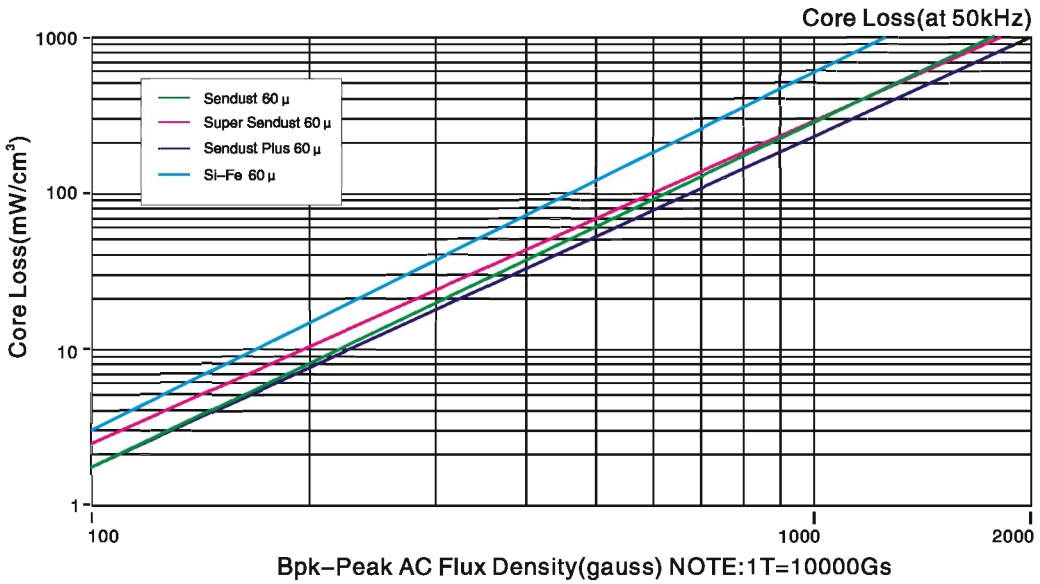
Core Materials	Core Loss	Perm.vs DC Bias	Frequency Range	Curie Temp.	Flux Density (Sat.)	Temp. Stability
Sendust	Low	Good	2MHz	600℃	10,500G	Good
Sendust Plus	Low	Better	1MHz	500℃	12,000G	Best
Super Sendust	Low	Better	1MHz	650℃	12,000G	Good
Si-Fe	Medium	Best	1MHz	700℃	16,000G	Best

※ All test results are based on permeability of 60 μ .

Percent Change of Permeability vs.DC Magnetizing Force



Core Loss Curve



Sendust Cores (KS)

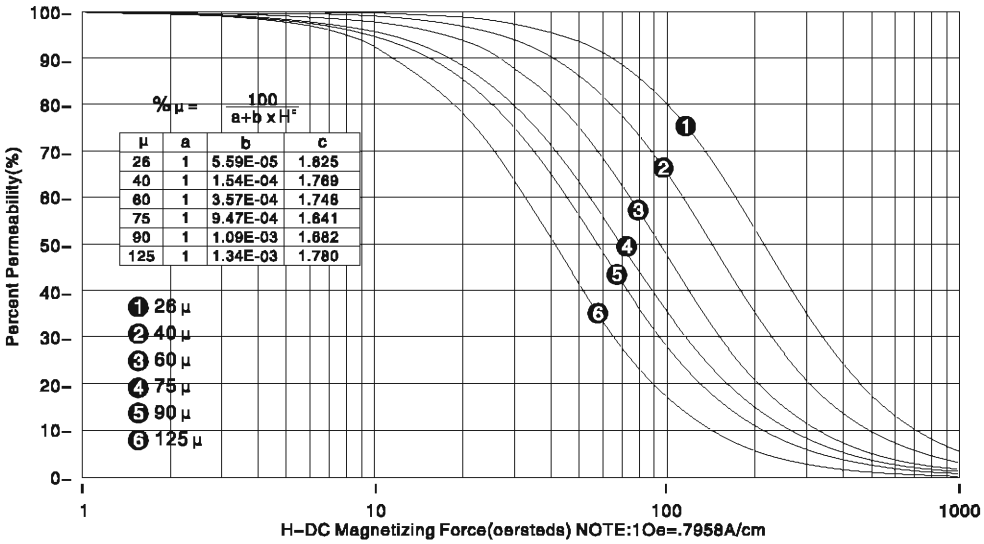
MAIN FEATURES

Lower Core Losses than Iron Powder Cores
Near Zero Magnetostriction
Relatively High Saturation Flux Density (10,500 Gauss)

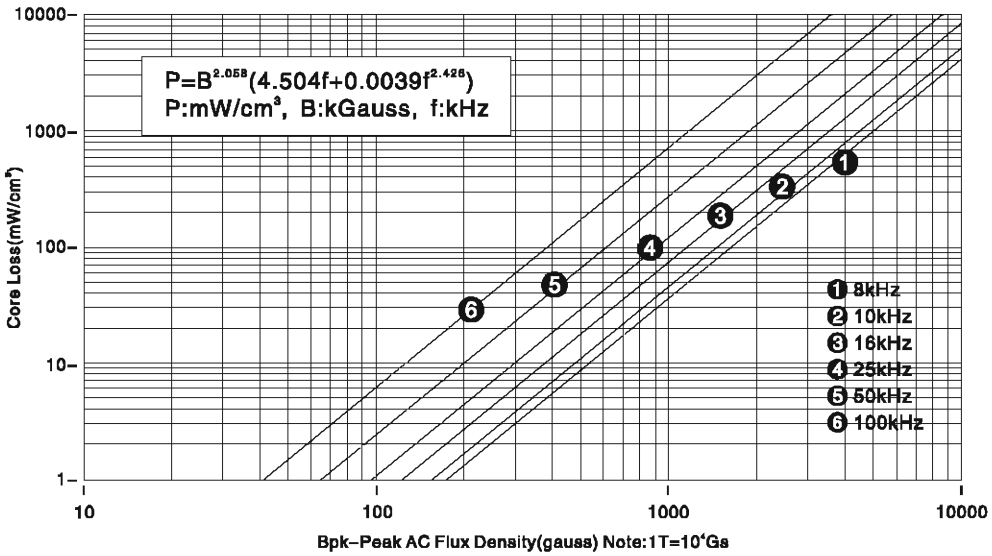
MAIN APPLICATIONS

PC Power Supply
Power Adapter
Uninterruptible Power Supply
Active Power Filter/Static Var Generator

Percent Change of Permeability vs. DC Magnetizing Force

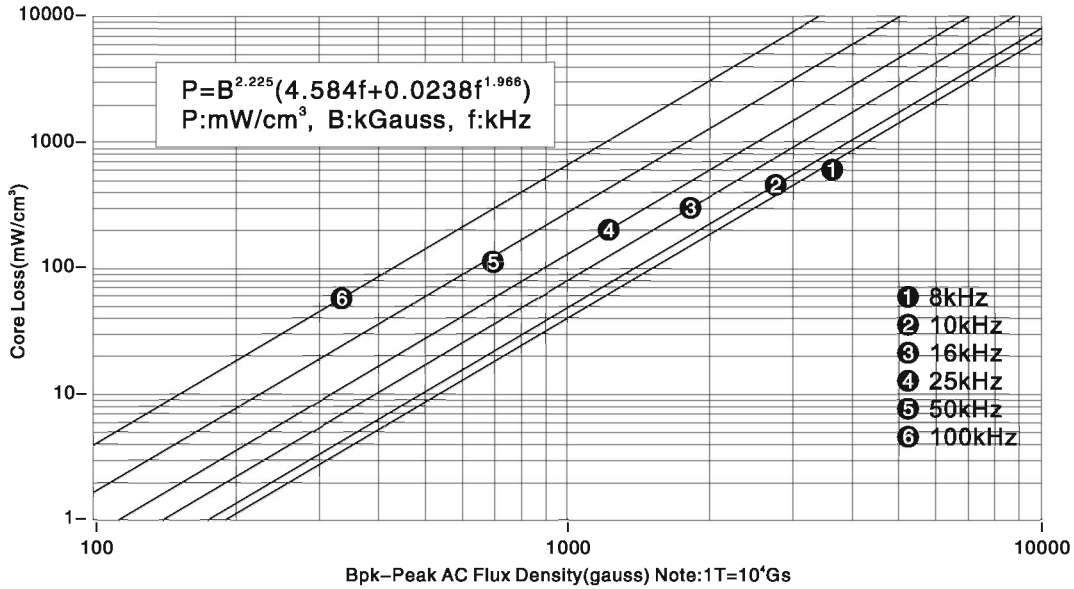


Typical Core Loss Curves(26 μ ,40 μ)

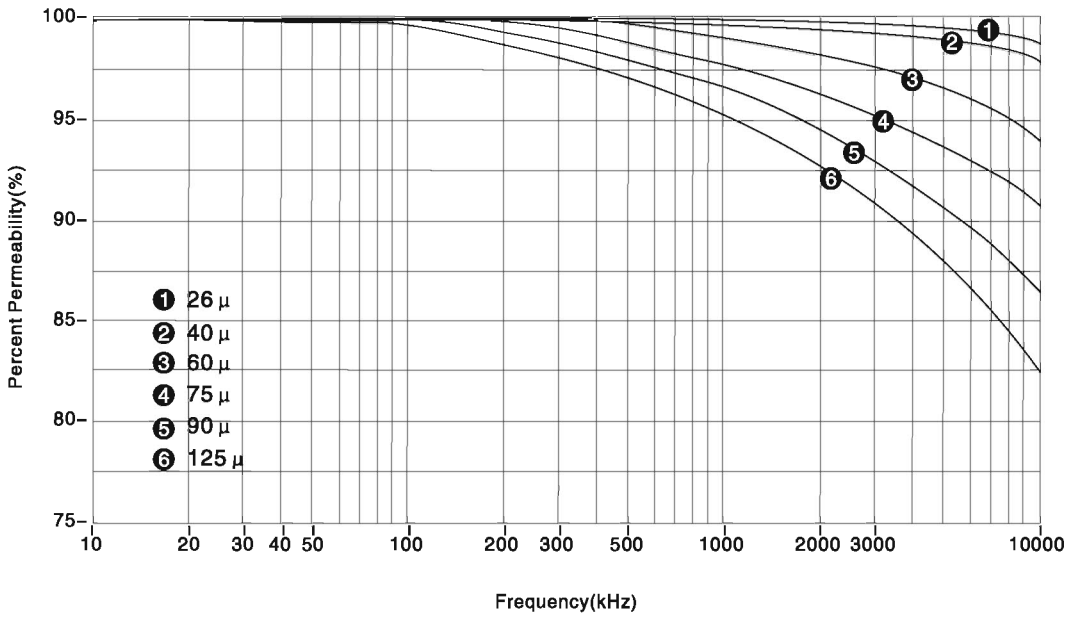


Sendust Cores (KS)

Typical Core Loss Curves(60 μ ,75 μ ,90 μ ,125 μ)

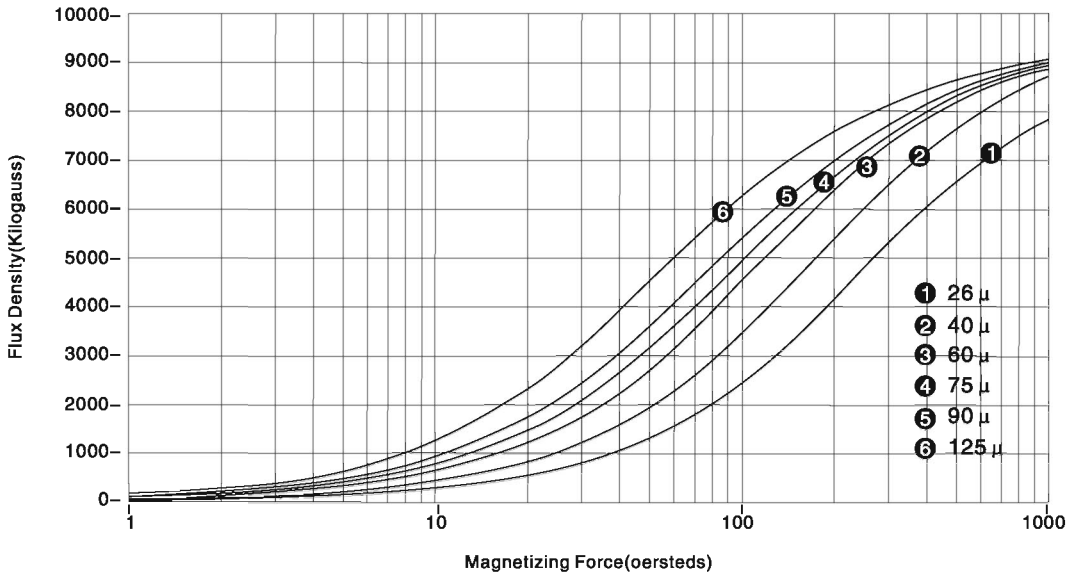


Permeability vs. Frequency

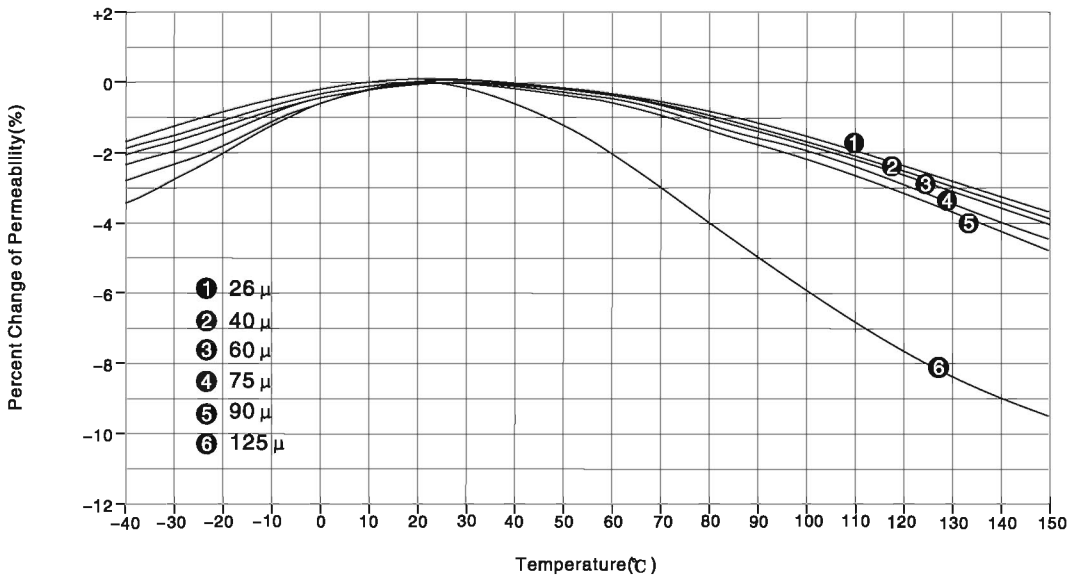


Sendust Cores (KS)

Normal Magnetization Curves



Temperature Stability



Sendust Cores (KS)

Part Number	Perm. (μ)	AL ±8%	ℓ_e in/cm	A_e in^2/cm^2	V in^3/cm^3	W in^2/cm^2	Dimensions (mm) OD (max) ×ID (min) ×HT (max)	
							Before Coating	After Coating
KS050-026A	26	12	1.229 /3.120	0.0177 /0.114	0.022 /0.356	0.0594 /0.383	12.70×7.62×4.75	13.46×6.99×5.51
KS050-060A	60	27						
KS050-075A	75	34						
KS050-090A	90	40						
KS050-125A	125	56						
KS065-026A	26	15	1.619 /4.110	0.0298 /0.192	0.048 /0.789	0.1105 /0.713	16.50×10.20×6.35	17.40×9.53×7.11
KS065-060A	60	35						
KS065-075A	75	43						
KS065-090A	90	52						
KS065-125A	125	72						
KS068-026A	26	19	1.630 /4.140	0.0360 /0.232	0.059 /0.960	0.0990 /0.638	17.30×9.65×6.35	18.03×9.02×7.11
KS068-060A	60	43						
KS068-075A	75	53						
KS068-090A	90	64						
KS068-125A	125	89						
KS080-026A	26	14	2.010 /5.090	0.0350 /0.226	0.070 /1.150	0.1772 /1.140	20.30×12.70×6.35	21.10×12.07×7.11
KS080-060A	60	32						
KS080-075A	75	41						
KS080-090A	90	49						
KS080-125A	125	68						
KS090-026A	26	19	2.230 /5.670	0.0513 /0.331	0.114 /1.880	0.2181 /1.410	22.90×14.07×7.62	23.62×13.39×8.38
KS090-060A	60	43						
KS090-075A	75	54						
KS090-090A	90	65						
KS090-125A	125	90						
KS092-026A	26	22	2.320 /5.880	0.0610 /0.388	0.142 /2.280	0.2307 /1.490	23.60×14.40×8.89	24.30×13.77×9.70
KS092-060A	60	51						
KS092-075A	75	63						
KS092-090A	90	76						
KS092-125A	125	105						
KS106-026A	26	32	2.500 /6.350	0.1014 /0.654	0.254 /4.150	0.2419 /1.560	26.90×14.70×11.20	27.70×14.10×11.99
KS106-060A	60	75						
KS106-075A	75	94						
KS106-090A	90	113						
KS106-125A	125	157						
KS107-026A	26	22	2.501 /6.352	0.0770 /0.497	0.198 /3.155	0.2419 /1.561	26.90×14.70×8.64	27.70×14.10×9.45
KS107-060A	60	59						
KS107-075A	75	74						
KS107-090A	90	89						
KS107-125A	125	123						

Sendust Cores (KS)

Part Number	Perm. (μ)	AL ±8%	ℓ_e in/cm	A_e in^2/cm^2	V in^3/cm^3	W in^2/cm^2	Dimensions (mm) OD (max) ×ID (min) ×HT (max)	
							Before Coating	After Coating
KS130-026A	26	28	3.210 /8.150	0.1042 /0.672	0.334 /5.480	0.4537 /2.930	33.00×19.90×10.70	33.83×19.30×11.61
KS130-060A	60	61						
KS130-075A	75	76						
KS130-090A	90	91						
KS130-125A	125	127						
KS131-026A	26	22	3.207 /8.147	0.0854 /0.551	0.274 /4.490	0.4537 /2.927	33.00×19.90×8.76	33.83×19.30×9.70
KS131-060A	60	51						
KS131-075A	75	64						
KS131-090A	90	76.5						
KS131-125A	125	109						
KS132-026A	26	28	3.207 /8.147	0.1082 /0.698	0.347 /5.687	0.4537 /2.927	33.00×19.90×11.18	33.83×19.30×11.99
KS132-060A	60	65						
KS132-075A	75	81						
KS132-090A	90	97						
KS132-125A	125	135						
KS135-026A	26	16	3.530 /8.950	0.0704 /0.454	0.249 /4.060	0.6193 /4.010	34.30×23.40×8.89	35.10×22.56×9.83
KS135-060A	60	38						
KS135-075A	75	47						
KS135-090A	90	57						
KS135-125A	125	79						
KS141-026A	26	24	3.540 /8.980	0.1051 /0.678	0.372 /6.088	0.5648 /3.640	35.80×22.40×10.50	36.63×21.54×11.28
KS141-060A	60	56						
KS141-075A	75	70						
KS141-090A	90	84						
KS141-125A	125	117						
KS157-026A	26	35	3.880 /9.840	0.1662 /1.072	0.645 /10.500	0.6619 /4.270	39.90×24.10×14.50	40.72×23.30×15.37
KS157-060A	60	81						
KS157-075A	75	101						
KS157-090A	90	121						
KS157-125A	125	168						
KS158-026A	26	53	0.374 /9.510	0.060 /1.537	0.592 /15.043	0.5500 /3.550	40.13×22.08×17.00	40.94×21.27×17.89
KS158-060A	60	122						
KS158-075A	75	152						
KS158-090A	90	183						
KS158-125A	125	254						
KS168-026A	26	47	4.040 /10.216	0.229 /1.475	0.960 /15.741	0.5648 /3.644	42.90×24.20×16.26	44.00×23.30×17.16
KS168-060A	60	108						
KS168-075A	75	135						
KS168-090A	90	161						
KS168-125A	125	224						

Sendust Cores (KS)

Part Number	Perm. (μ)	AL ±8%	ℓ_e in/cm	A_e in^2/cm^2	V in^3/cm^3	W in^2/cm^2	Dimensions (mm) OD (max) ×ID (min) ×HT (max)	
							Before Coating	After Coating
KS184-026A	26	59	4.230 /10.740	0.308 /1.990	1.300 /21.300	0.6619 /4.270	46.70×24.10×18.00	47.63×23.32×18.92
KS184-060A	60	135						
KS184-075A	75	169						
KS184-090A	90	202						
KS184-125A	125	281						
KS185-026A	26	37	4.580 /11.630	0.208 /1.340	0.953 /15.530	0.6469 /6.110	46.70×28.70×15.20	47.63×27.89×16.13
KS185-060A	60	86						
KS185-075A	75	107						
KS185-090A	90	128						
KS185-125A	125	178						
KS200-026A	26	32	5.020 /12.730	0.194 /1.251	0.974 /15.930	1.165 /7.500	50.80×31.80×13.50	51.69×30.94×14.35
KS200-060A	60	73						
KS200-075A	75	91						
KS200-090A	90	109						
KS200-125A	125	152						
KS225-026A	26	33	5.630 /14.300	0.224 /1.444	12.260 /20.650	1.470 /9.480	57.20×35.60×14.00	58.00×34.70×14.86
KS225-060A	60	75						
KS225-075A	75	94						
KS225-090A	90	112						
KS225-125A	125	156						
KS226-026A	26	60	4.930 /12.500	0.355 /2.290	1.750 /28.600	0.796 /5.140	57.20×26.40×15.20	58.00×25.60×16.10
KS226-060A	60	138						
KS226-075A	75	175						
KS226-090A	90	207						
KS226-125A	125	287						
KS250-026A	26	83	5.660 /14.370	0.570 /3.675	3.223 /52.810	1.198 /7.730	62.00×32.60×25.00	63.10×31.37×26.27
KS250-060A	60	192						
KS250-075A	75	240						
KS250-090A	90	288						
KS250-125A	125	400						
KS268-026A	26	62	6.429 /16.330	0.481 /3.104	3.093 /50.690	1.491 /9.620	68.00×36.00×20.00	69.40×34.70×21.40
KS268-060A	60	143						
KS268-075A	75	179						
KS268-090A	90	215						
KS268-125A	125	298						
KS290-026A	26	89	7.24 /18.380	0.781 /5.040	5.653 /92.640	2.364 /15.250	74.80×45.30×35.00	75.20×44.07×36.27
KS290-060A	60	206						
KS290-075A	75	257						
KS290-090A	90	309						
KS290-125A	125	429						

Sendust Cores (KS)

Part Number	Perm. (μ)	AL ±8%	ℓ_e in/cm	A_e in^2/cm^2	V in^3/cm^3	W in^2/cm^2	Dimensions (mm) OD (max) ×ID (min) ×HT (max)	
							Before Coating	After Coating
KS300-026A	26	30	7.72 /20.000	0.274 /1.770	2.115 /34.700	2.800 /17.990	77.80×49.20×12.70	78.90×48.20×13.84
KS300-060A	60	68						
KS300-075A	75	85						
KS300-090A	90	102						
KS300-125A	125	142						
KS301-026A	26	37	7.86 /19.950	0.352 /2.270	2.770 /45.300	2.800 /17.990	77.80×49.20×15.90	78.90×48.20×17.02
KS301-060A	60	85						
KS301-075A	75	107						
KS301-090A	90	128						
KS301-125A	125	178						
KS400-026A	26	48	9.56 /24.271	0.546 /3.523	5.217 /85.495	3.784 /24.413	101.60×57.15×16.51	103.12×55.75×17.78
KS400-060A	60	112						
KS400-075A	75	137						
KS400-090A	90	164						
KS400-125A	125	228						
KS401-026A	26	40	9.56 /24.271	0.461 /2.972	4.401 /72.122	3.784 /24.413	101.60×57.15×13.59	103.12×55.75×14.86
KS401-060A	60	92						
KS401-075A	75	115						
KS401-090A	90	139						
KS401-125A	125	192						
KS520-026A	26	54	12.77 /32.428	0.829 /5.347	10.580 /173.400	7.225 /46.612	132.54×78.59×20.32	133.96×77.04×21.72
KS520-060A	60	124						
KS520-075A	75	155						
KS520-090A	90	187						
KS520-125A	125	259						
KS521-026A	26	67.6	12.77 /32.429	1.040 /6.710	13.280 /217.580	7.225 /46.612	132.54×78.59×25.40	133.96×77.04×26.80
KS521-060A	60	156						
KS521-075A	75	195						
KS521-090A	90	234						
KS521-125A	125	325						
KS650-026A	26	160	15.22 /38.650	2.932 /18.920	44.620 /731.260	9.190 /59.310	165.00×88.90×50.80	167.20×86.90×52.90
KS650-060A	60	368						
KS650-075A	75	460						
KS650-090A	90	552						
KS651-026A	26	78	16.22 /41.200	1.529 /9.870	63.085 /407.000	12.440 /80.300	165.00×102.40×31.75	166.50×101.00×33.15
KS651-060A	60	180						
KS651-075A	75	225						
KS651-090A	90	270						

Sendust Plus Cores (KSP)

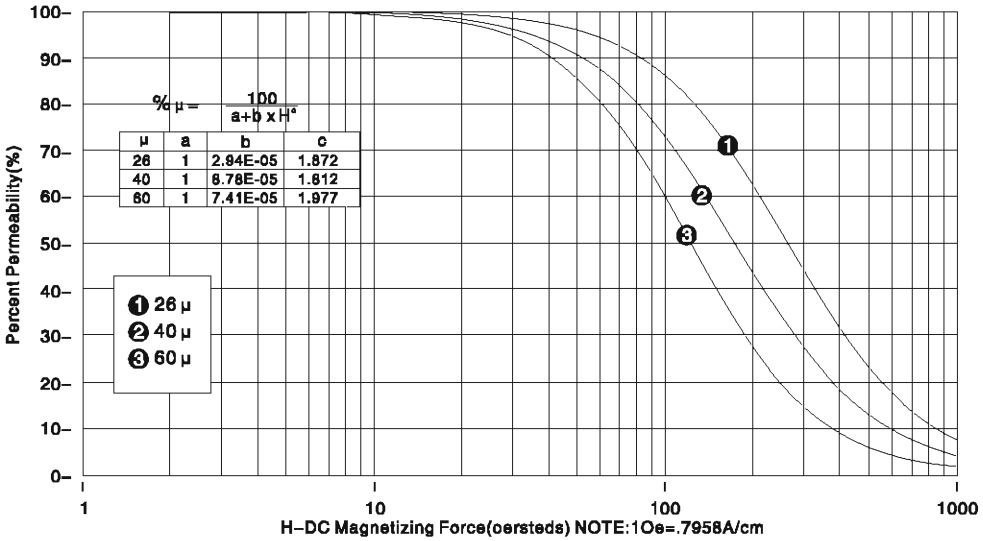
MAIN FEATURES

Lower Core Losses than Super Sendust Cores
Good DC-bias Characteristics
Good Temperature Stability and Frequency Characteristics

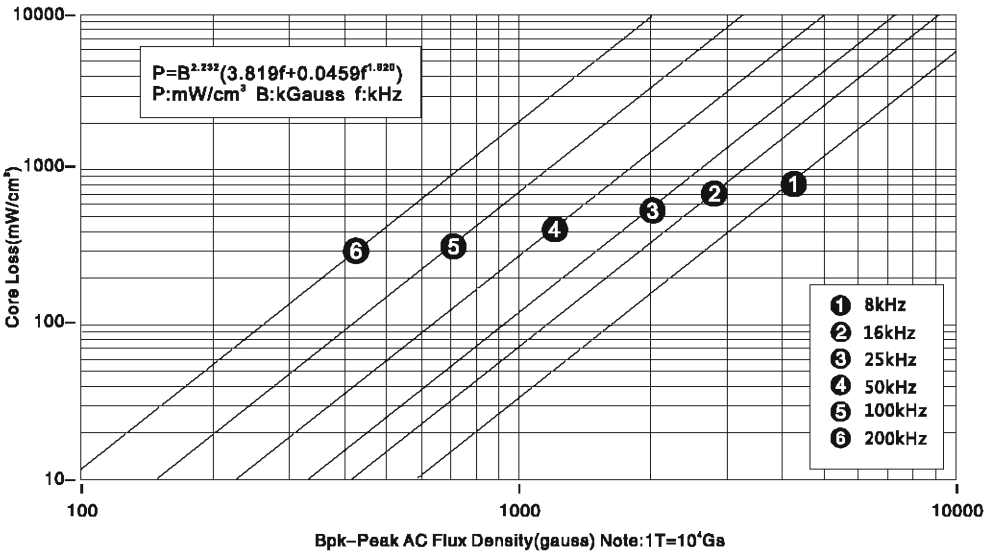
MAIN APPLICATIONS

Charging Pile
PV Inverter
Uninterruptible Power Supply

Percent Change of Permeability vs. DC Magnetizing Force

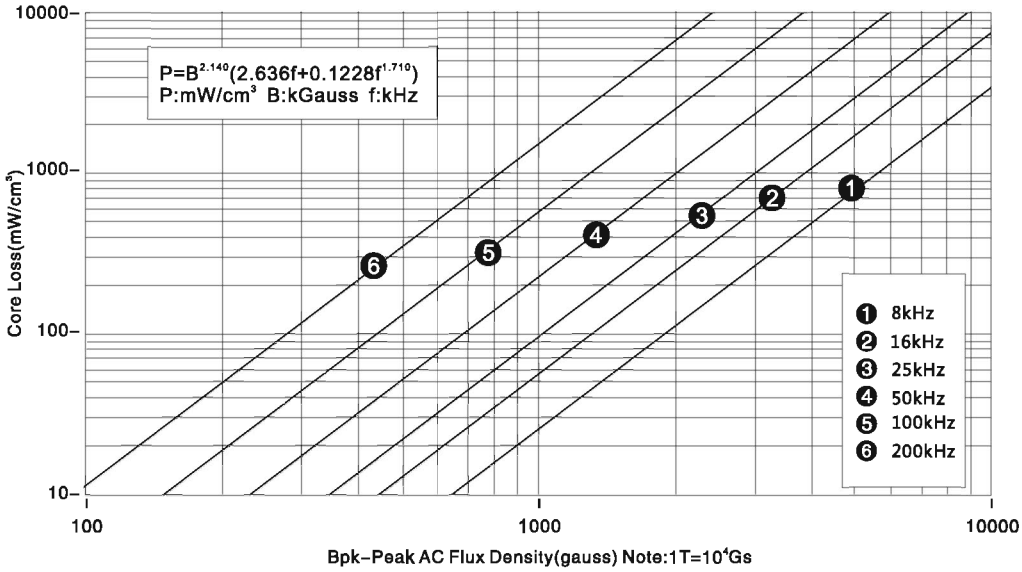


Typical Core Loss Curves(26 μ ,40 μ)

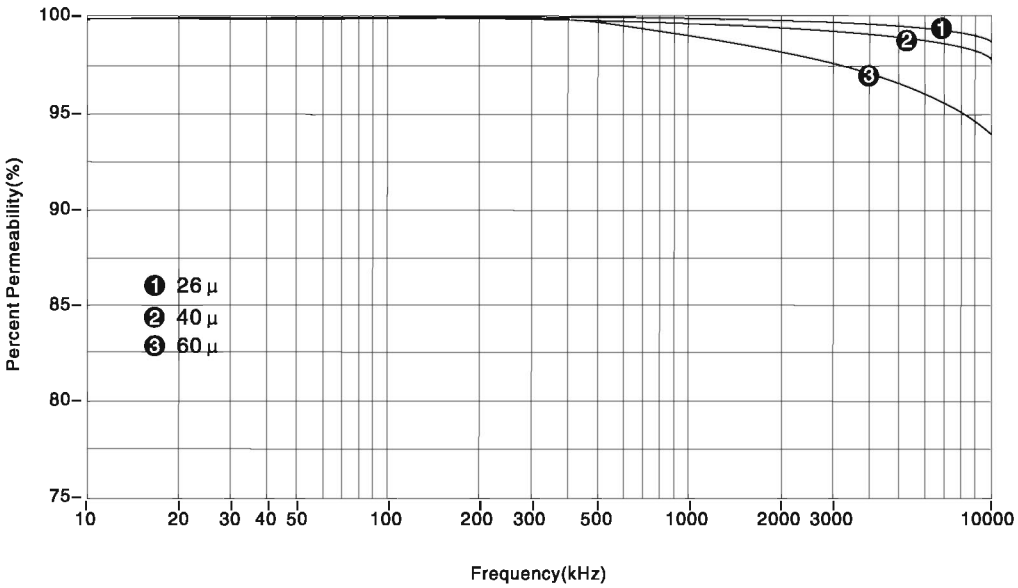


Sendust Plus Cores (KSP)

Typical Core Loss Curves(60 μ)

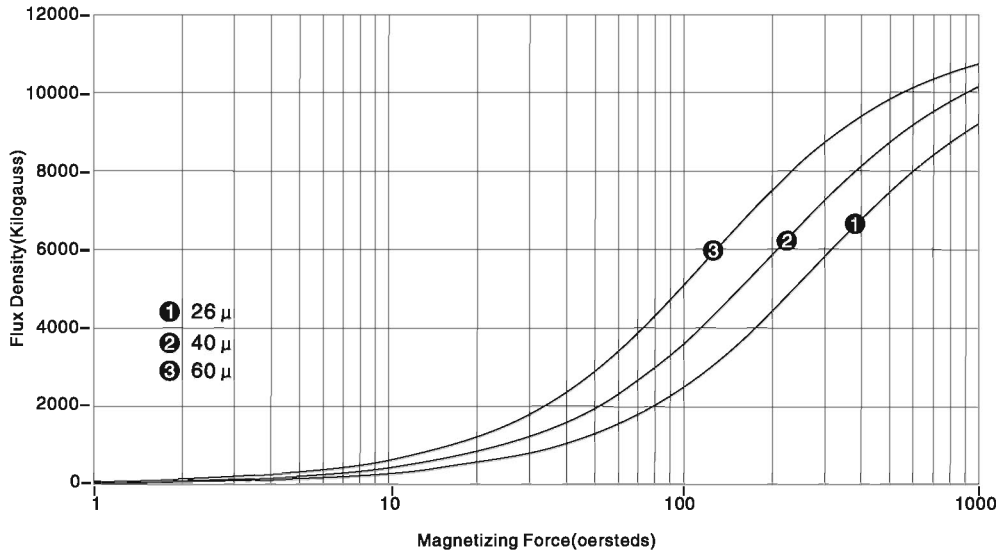


Permeability vs. Frequency

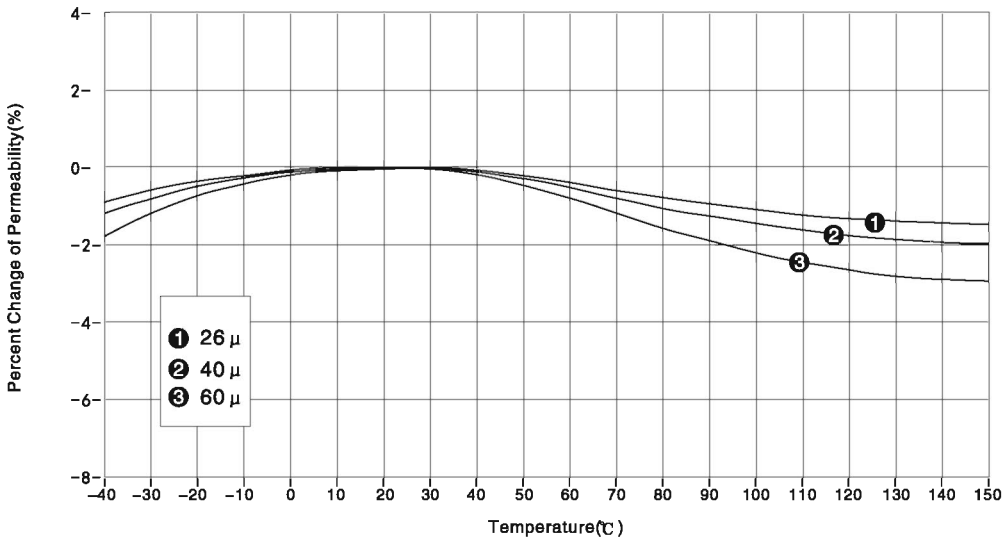


Sendust Plus Cores (KSP)

Normal Magnetization Curves



Temperature Stability



Sendust Plus Cores (KSP)

Part Number	Perm. (μ)	AL ±8%	ℓ_e in/cm	A_c in^2/cm^2	V in^3/cm^3	W in^2/cm^2	Dimensions (mm) OD (max) ×ID (min) ×HT (max)	
							Before Coating	After Coating
KSP050-026A	26	12	1.229 /3.120	0.0177 /0.114	0.022 /0.356	0.0594 /0.383	12.70×7.62×4.75	13.46×6.99×5.51
KSP050-040A	40	18						
KSP050-060A	60	27						
KSP065-026A	26	15	1.619 /4.110	0.0298 /0.192	0.048 /0.789	0.1105 /0.713	16.50×10.20×6.35	17.40×9.53×7.11
KSP065-040A	40	23						
KSP065-060A	60	35						
KSP068-026A	26	19	1.630 /4.140	0.0360 /0.232	0.059 /0.960	0.0990 /0.638	17.30×9.65×6.35	18.03×9.02×7.11
KSP068-040A	40	28						
KSP068-060A	60	43						
KSP080-026A	26	14	2.010 /5.090	0.0350 /0.226	0.070 /1.150	0.1772 /1.140	20.30×12.70×6.35	21.10×12.07×7.11
KSP080-040A	40	21						
KSP080-060A	60	32						
KSP090-026A	26	19	2.230 /5.670	0.0513 /0.331	0.114 /1.880	0.2181 /1.410	22.90×14.07×7.62	23.62×13.39×8.38
KSP090-040A	40	28						
KSP090-060A	60	43						
KSP092-026A	26	22	2.320 /5.880	0.0610 /0.388	0.142 /2.280	0.2307 /1.490	23.60×14.40×8.89	24.30×13.77×9.70
KSP092-040A	40	34						
KSP092-060A	60	51						
KSP106-026A	26	32	2.500 /6.350	0.1014 /0.654	0.254 /4.150	0.2419 /1.560	26.90×14.70×11.20	27.70×14.10×11.99
KSP106-040A	40	50						
KSP106-060A	60	75						
KSP107-026A	26	22	2.501 /6.352	0.0770 /0.497	0.198 /3.155	0.2419 /1.561	26.90×14.70×8.64	27.70×14.10×9.45
KSP107-040A	40	39						
KSP107-060A	60	59						
KSP130-026A	26	28	3.210 /8.150	0.1042 /0.672	0.334 /5.480	0.4537 /2.930	33.00×19.90×10.70	33.83×19.30×11.61
KSP130-040A	40	40						
KSP130-060A	60	61						
KSP131-026A	26	22	3.207 /8.147	0.0854 /0.551	0.274 /4.490	0.4537 /2.927	33.00×19.90×8.76	33.83×19.30×9.70
KSP131-040A	40	34						
KSP131-060A	60	51						
KSP132-026A	26	28	3.207 /8.147	0.1082 /0.698	0.347 /5.687	0.4537 /2.927	33.00×19.90×11.18	33.83×19.30×11.99
KSP132-040A	40	43						
KSP132-060A	60	65						
KSP135-026A	26	16	3.530 /8.950	0.0704 /0.454	0.249 /4.060	0.6193 /4.010	34.30×23.40×8.89	35.10×22.56×9.83
KSP135-040A	40	25						
KSP135-060A	60	38						
KSP141-026A	26	24	3.540 /8.980	0.1051 /0.678	0.372 /6.088	0.5648 /3.640	35.80×22.40×10.50	36.63×21.54×11.28
KSP141-040A	40	37						
KSP141-060A	60	56						

Sendust Plus Cores (KSP)

Part Number	Perm. (μ)	AL ±8%	ℓ_e in/cm	A_e in^2/cm^2	V in^3/cm^3	W in^2/cm^2	Dimensions (mm) OD (max) ×ID (min) ×HT (max)	
							Before Coating	After Coating
KSP157-026A	26	35	3.880 /9.840	0.1662 /1.072	0.645 /10.500	0.6619 /4.270	39.90×24.10×14.50	40.72×23.30×15.37
KSP157-040A	40	54						
KSP157-060A	60	81						
KSP158-026A	26	53	0.374 /9.510	0.060 /1.537	0.592 /15.043	0.5500 /3.550	40.13×22.08×17.00	40.94×21.27×17.89
KSP158-040A	40	81						
KSP158-060A	60	122						
KSP168-026A	26	47	4.040 /10.216	0.229 /1.475	0.960 /15.741	0.5648 /3.644	42.90×24.20×16.26	44.00×23.30×17.16
KSP168-040A	40	72						
KSP168-060A	60	108						
KSP184-026A	26	59	4.230 /10.740	0.308 /1.990	1.300 /21.300	0.6619 /4.270	46.70×24.10×18.00	47.63×23.32×18.92
KSP184-040A	40	90						
KSP184-060A	60	135						
KSP185-026A	26	37	4.580 /11.630	0.208 /1.340	0.953 /15.530	0.6469 /6.110	46.70×28.70×15.20	47.63×27.89×16.13
KSP185-040A	40	57						
KSP185-060A	60	86						
KSP200-026A	26	32	5.020 /12.730	0.194 /1.251	0.974 /15.930	1.165 /7.500	50.80×31.80×13.50	51.69×30.94×14.35
KSP200-040A	40	48						
KSP200-060A	60	73						
KSP225-026A	26	33	5.630 /14.300	0.224 /1.444	12.260 /20.650	1.470 /9.480	57.20×35.60×14.00	58.00×34.70×14.86
KSP225-040A	40	50						
KSP225-060A	60	75						
KSP226-026A	26	60	4.930 /12.500	0.355 /2.290	1.750 /28.600	0.796 /5.140	57.20×26.40×15.20	58.00×25.60×16.10
KSP226-040A	40	92						
KSP226-060A	60	138						
KSP250-026A	26	83	5.660 /14.370	0.570 /3.675	3.223 /52.810	1.198 /7.730	62.00×32.60×25.00	63.10×31.37×26.27
KSP250-040A	40	128						
KSP250-060A	60	192						
KSP268-026A	26	62	6.429 /16.330	0.481 /3.104	3.093 /50.690	1.491 /9.620	68.00×36.00×20.00	69.40×34.70×21.40
KSP268-040A	40	95						
KSP268-060A	60	143						
KSP300-026A	26	30	7.72 /20.000	0.274 /1.770	2.115 /34.700	2.800 /17.990	77.80×49.20×12.70	78.90×48.20×13.84
KSP300-040A	40	45						
KSP300-060A	60	68						
KSP301-026A	26	37	7.86 /19.950	0.352 /2.270	2.770 /45.300	2.800 /17.990	77.80×49.20×15.90	78.90×48.20×17.02
KSP301-040A	40	56						
KSP301-060A	60	85						
KSP400-026A	26	48	9.56 /24.271	0.546 /3.523	5.217 /85.495	3.784 /24.413	101.60×57.15×16.51	103.12×55.75×17.78
KSP400-040A	40	74						
KSP400-060A	60	112						

Super Sendust Cores (KSH)

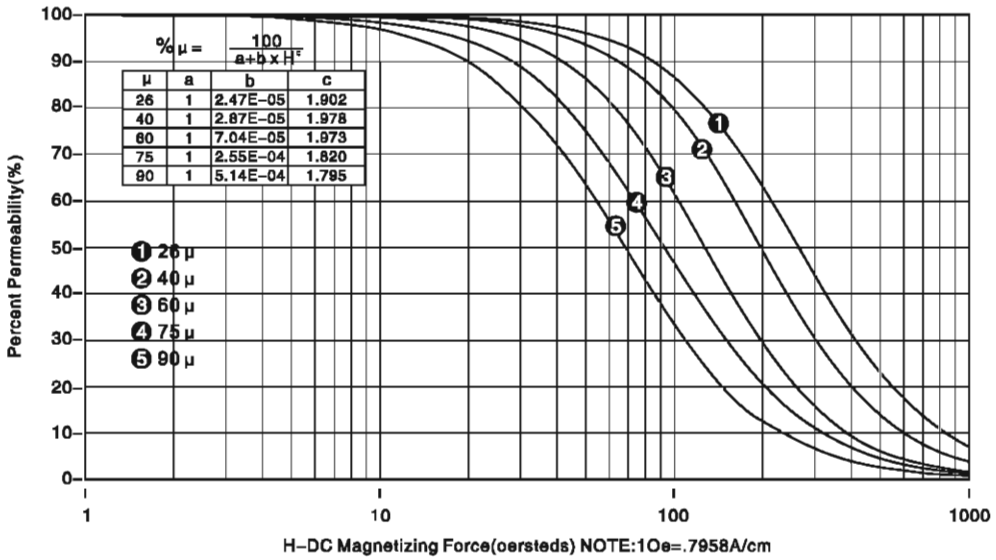
MAIN FEATURES

Good DC-bias Characteristics
High Saturation Flux Density (12,000 Gauss)
Low Core Losses

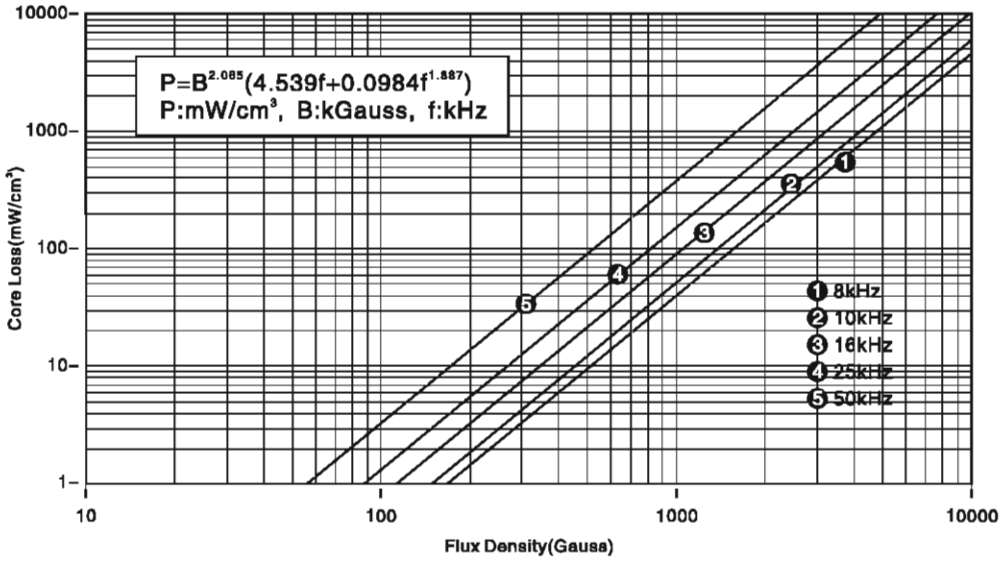
MAIN APPLICATIONS

Industrial Power
PV Inverter
Uninterruptible Power Supply

Percent Change of Permeability vs. DC Magnetizing Force

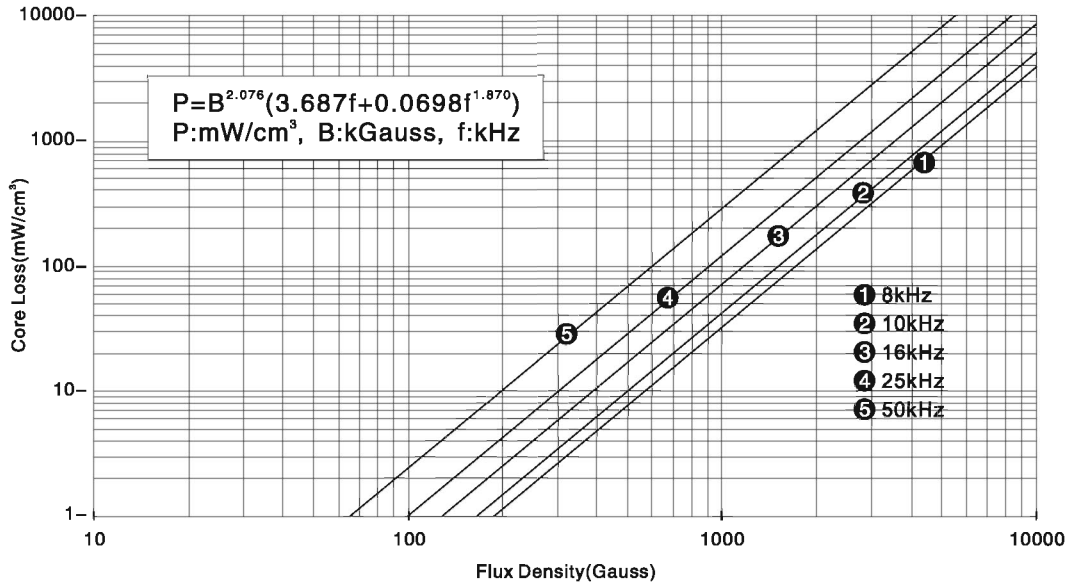


Typical Core Loss Curves(26 μ ,40 μ)

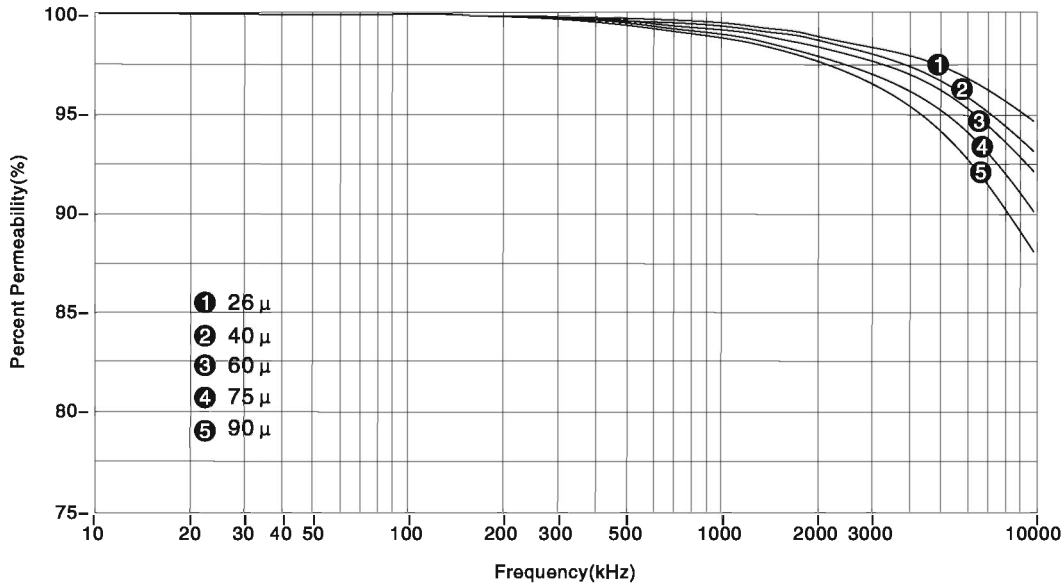


Super Sendust Cores (KSH)

Typical Core Loss Curves(60 μ ,75 μ ,90 μ)

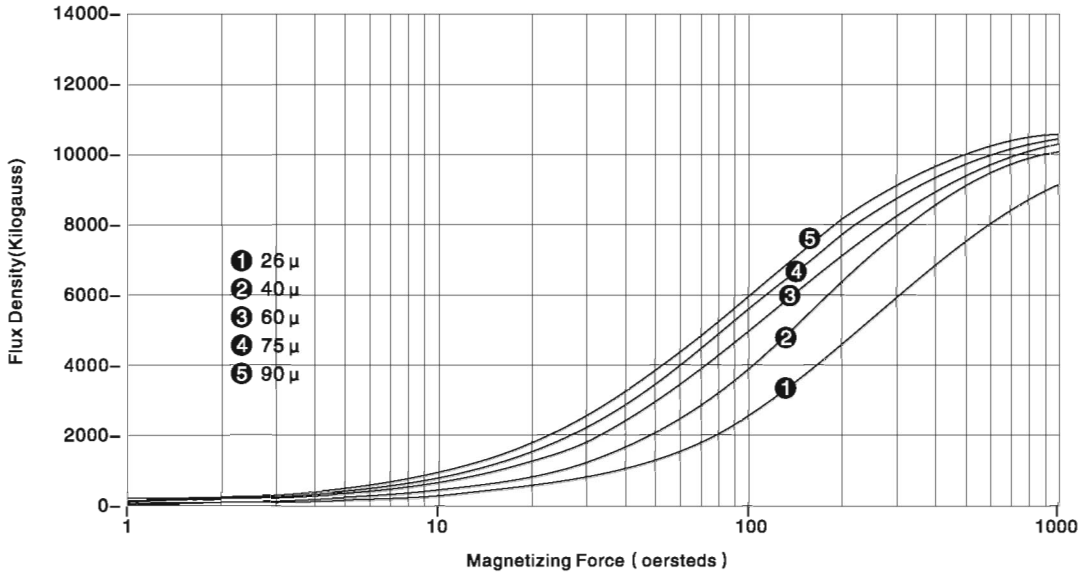


Permeability vs. Frequency

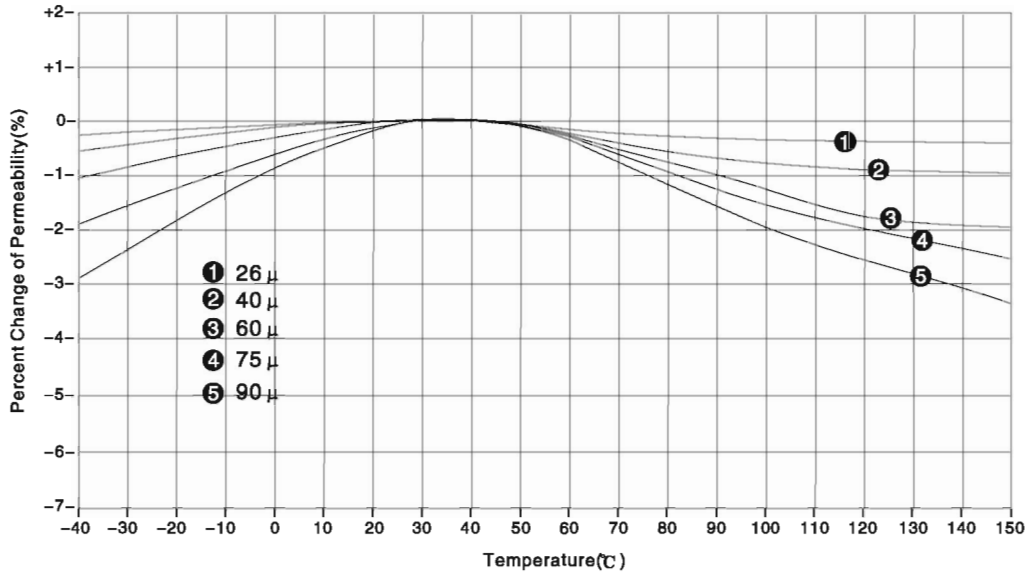


Super Sendust Cores (KSH)

Normal Magnetization Curves



Temperature Stability



Super Sendust Cores (KSH)

Part Number	Perm. (μ)	AL ±8%	ℓ_e in/cm	A_e in^2/cm^2	V in^3/cm^3	W in^2/cm^2	Dimensions (mm) OD (max) ×ID (min) ×HT (max)	
							Before Coating	After Coating
KSH050-026A	26	12	1.229 /3.120	0.0177 /0.114	0.022 /0.356	0.0594 /0.383	12.70×7.62×4.75	13.46×6.99×5.51
KSH050-060A	60	27						
KSH050-075A	75	34						
KSH050-090A	90	40						
KSH065-026A	26	15	1.619 /4.110	0.0298 /0.192	0.048 /0.789	0.1105 /0.713	16.50×10.20×6.35	17.40×9.53×7.11
KSH065-060A	60	35						
KSH065-075A	75	43						
KSH065-090A	90	52						
KSH068-026A	26	19	1.630 /4.140	0.0360 /0.232	0.059 /0.960	0.0990 /0.638	17.30×9.65×6.35	18.03×9.02×7.11
KSH068-060A	60	43						
KSH068-075A	75	53						
KSH068-090A	90	64						
KSH080-026A	26	14	2.010 /5.090	0.0350 /0.226	0.070 /1.150	0.1772 /1.140	20.30×12.70×6.35	21.10×12.07×7.11
KSH080-060A	60	32						
KSH080-075A	75	41						
KSH080-090A	90	49						
KSH090-026A	26	19	2.230 /5.670	0.0513 /0.331	0.114 /1.880	0.2181 /1.410	22.90×14.07×7.62	23.62×13.39×8.38
KSH090-060A	60	43						
KSH090-075A	75	54						
KSH090-090A	90	65						
KSH092-026A	26	22	2.320 /5.880	0.0610 /0.388	0.142 /2.280	0.2307 /1.490	23.60×14.40×8.89	24.30×13.77×9.70
KSH092-060A	60	51						
KSH092-075A	75	63						
KSH092-090A	90	76						
KSH106-026A	26	32	2.500 /6.350	0.1014 /0.654	0.254 /4.150	0.2419 /1.560	26.90×14.70×11.20	27.70×14.10×11.99
KSH106-060A	60	75						
KSH106-075A	75	94						
KSH106-090A	90	113						
KSH107-026A	26	22	2.501 /6.352	0.0770 /0.497	0.198 /3.155	0.2419 /1.561	26.90×14.70×8.64	27.70×14.10×9.45
KSH107-060A	60	59						
KSH107-075A	75	74						
KSH107-090A	90	89						

Super Sendust Cores (KSH)

Part Number	Perm. (μ)	AL ±8%	ℓ_e in/cm	A_e in^2/cm^2	V in^3/cm^3	W in^2/cm^2	Dimensions (mm) OD (max) ×ID (min) ×HT (max)	
							Before Coating	After Coating
KSH130-026A	26	28	3.210 /8.150	0.1042 /0.672	0.334 /5.480	0.4537 /2.930	33.00×19.90×10.70	33.83×19.30×11.61
KSH130-060A	60	61						
KSH130-075A	75	76						
KSH130-090A	90	91						
KSH131-026A	26	22	3.207 /8.147	0.0854 /0.551	0.274 /4.490	0.4537 /2.927	33.00×19.90×8.76	33.83×19.30×9.70
KSH131-060A	60	51						
KSH131-075A	75	64						
KSH131-090A	90	76.5						
KSH132-026A	26	28	3.207 /8.147	0.1082 /0.698	0.347 /5.687	0.4537 /2.927	33.00×19.90×11.18	33.83×19.30×11.99
KSH132-060A	60	65						
KSH132-075A	75	81						
KSH132-090A	90	97						
KSH135-026A	26	16	3.530 /8.950	0.0704 /0.454	0.249 /4.060	0.6193 /4.010	34.30×23.40×8.89	35.10×22.56×9.83
KSH135-060A	60	38						
KSH135-075A	75	47						
KSH135-090A	90	57						
KSH141-026A	26	24	3.540 /8.980	0.1051 /0.678	0.372 /6.088	0.5648 /3.640	35.80×22.40×10.50	36.63×21.54×11.28
KSH141-060A	60	56						
KSH141-075A	75	70						
KSH141-090A	90	84						
KSH157-026A	26	35	3.880 /9.840	0.1662 /1.072	0.645 /10.500	0.6619 /4.270	39.90×24.10×14.50	40.72×23.30×15.37
KSH157-060A	60	81						
KSH157-075A	75	101						
KSH157-090A	90	121						
KSH158-026A	26	53	0.374 /9.510	0.060 /1.537	0.592 /15.043	0.5500 /3.550	40.13×22.08×17.00	40.94×21.27×17.89
KSH158-060A	60	122						
KSH158-075A	75	152						
KSH158-090A	90	183						
KSH168-026A	26	47	4.040 /10.216	0.229 /1.475	0.960 /15.741	0.5648 /3.644	42.90×24.20×16.26	44.00×23.30×17.16
KSH168-060A	60	108						
KSH168-075A	75	135						
KSH168-090A	90	161						

Super Sendust Cores (KSH)

Part Number	Perm. (μ)	AL ±8%	ℓ_e in/cm	A_e in^2/cm^2	V in^3/cm^3	W in^2/cm^2	Dimensions (mm) OD (max) ×ID (min) ×HT (max)	
							Before Coating	After Coating
KSH184-026A	26	59	4.230 /10.740	0.308 /1.990	1.300 /21.300	0.6619 /4.270	46.70×24.10×18.00	47.63×23.32×18.92
KSH184-060A	60	135						
KSH184-075A	75	169						
KSH184-090A	90	202						
KSH185-026A	26	37	4.580 /11.630	0.208 /1.340	0.953 /15.530	0.6469 /6.110	46.70×28.70×15.20	47.63×27.89×16.13
KSH185-060A	60	86						
KSH185-075A	75	107						
KSH185-090A	90	128						
KSH200-026A	26	32	5.020 /12.730	0.194 /1.251	0.974 /15.930	1.165 /7.500	50.80×31.80×13.50	51.69×30.94×14.35
KSH200-060A	60	73						
KSH200-075A	75	91						
KSH200-090A	90	109						
KSH225-026A	26	33	5.630 /14.300	0.224 /1.444	12.260 /20.650	1.470 /9.480	57.20×35.60×14.00	58.00×34.70×14.86
KSH225-060A	60	75						
KSH225-075A	75	94						
KSH225-090A	90	112						
KSH226-026A	26	60	4.930 /12.500	0.355 /2.290	1.750 /28.600	0.796 /5.140	57.20×26.40×15.20	58.00×25.60×16.10
KSH226-060A	60	138						
KSH226-075A	75	175						
KSH226-090A	90	207						
KSH250-026A	26	83	5.660 /14.370	0.570 /3.675	3.223 /52.810	1.198 /7.730	62.00×32.60×25.00	63.10×31.37×26.27
KSH250-060A	60	192						
KSH250-075A	75	240						
KSH250-090A	90	288						
KSH268-026A	26	62	6.429 /16.330	0.481 /3.104	3.093 /50.690	1.491 /9.620	68.00×36.00×20.00	69.40×34.70×21.40
KSH268-060A	60	143						
KSH268-075A	75	179						
KSH268-090A	90	215						
KSH290-026A	26	89	7.24 /18.380	0.781 /5.040	5.653 /92.640	2.364 /15.250	74.80×45.30×35.00	75.20×44.07×36.27
KSH290-060A	60	206						
KSH290-075A	75	257						
KSH290-090A	90	309						

Super Sendust Cores (KSH)

Part Number	Perm. (μ)	AL ±8%	ℓ_e in/cm	A_e in^2/cm^2	V in^3/cm^3	W in^2/cm^2	Dimensions (mm) OD (max) ×ID (min) ×HT (max)	
							Before Coating	After Coating
KSH300-026A	26	30	7.72 /20.000	0.274 /1.770	2.115 /34.700	2.800 /17.990	77.80×49.20×12.70	78.90×48.20×13.84
KSH300-060A	60	68						
KSH300-075A	75	85						
KSH300-090A	90	102						
KSH301-026A	26	37	7.86 /19.950	0.352 /2.270	2.770 /45.300	2.800 /17.990	77.80×49.20×15.90	78.90×48.20×17.02
KSH301-060A	60	85						
KSH301-075A	75	107						
KSH301-090A	90	128						
KSH400-026A	26	48	9.56 /24.271	0.546 /3.523	5.217 /85.495	3.784 /24.413	101.60×57.15×16.51	103.12×55.75×17.78
KSH400-060A	60	112						
KSH400-075A	75	137						
KSH400-090A	90	164						
KSH401-026A	26	40	9.56 /24.271	0.461 /2.972	4.401 /72.122	3.784 /24.413	101.60×57.15×13.59	103.12×55.75×14.86
KSH401-060A	60	92						
KSH401-075A	75	115						
KSH401-090A	90	139						
KSH520-026A	26	54	12.77 /32.428	0.829 /5.347	10.580 /173.400	7.225 /46.612	132.54×78.59×20.32	133.96×77.04×21.72
KSH520-060A	60	124						
KSH520-075A	75	155						
KSH520-090A	90	187						
KSH521-026A	26	67.6	12.77 /32.429	1.040 /6.710	13.280 /217.580	7.225 /46.612	132.54×78.59×25.40	133.96×77.04×26.80
KSH521-060A	60	156						
KSH521-075A	75	195						
KSH521-090A	90	234						
KSH650-026A	26	160	15.22 /38.650	2.932 /18.920	44.620 /731.260	9.190 /59.310	165.00×88.90×50.80	167.20×86.90×52.90
KSH650-060A	60	368						
KSH651-026A	26	78	16.22 /41.200	1.529 /9.870	63.085 /407.000	12.440 /80.300	165.00×102.40×31.75	166.50×101.00×33.15
KSH651-060A	60	180						

Si–Fe Cores (KSF)

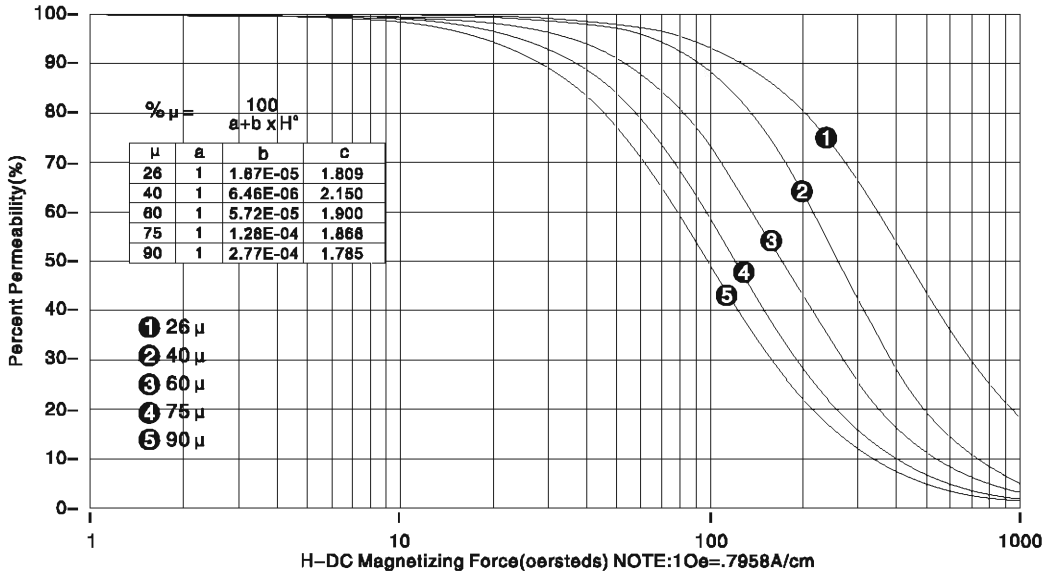
MAIN FEATURES

High Saturation Flux Density (16,000 Gauss)
Excellent DC–bias Characteristics
Excellent Thermal Stability Without Aging Problem

MAIN APPLICATIONS

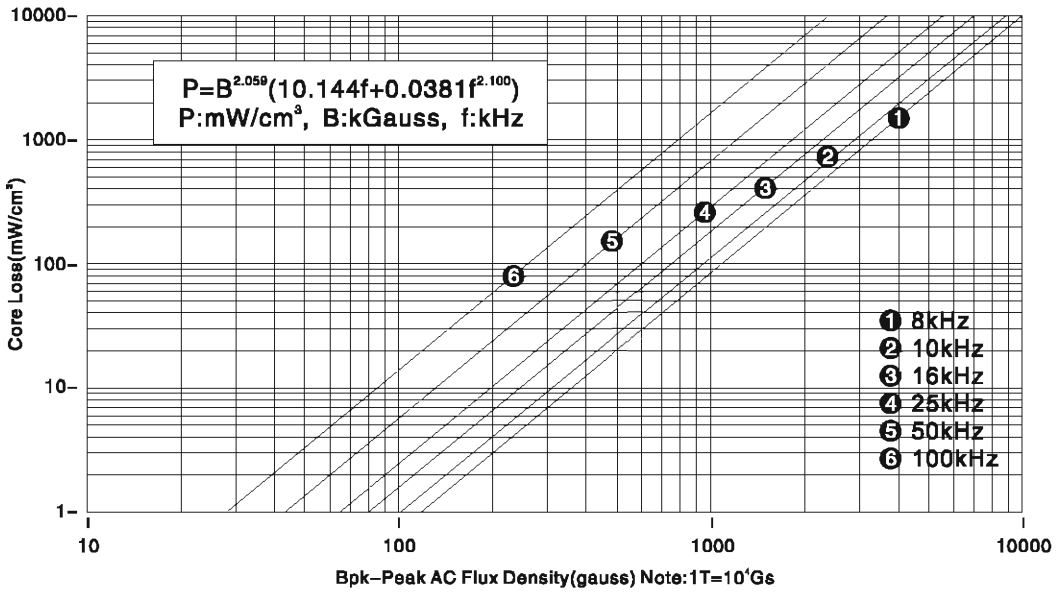
Industrial Power Supply
PV Inverter
Uninterruptible Power Supply

Percent Change of Permeability vs. DC Magnetizing Force



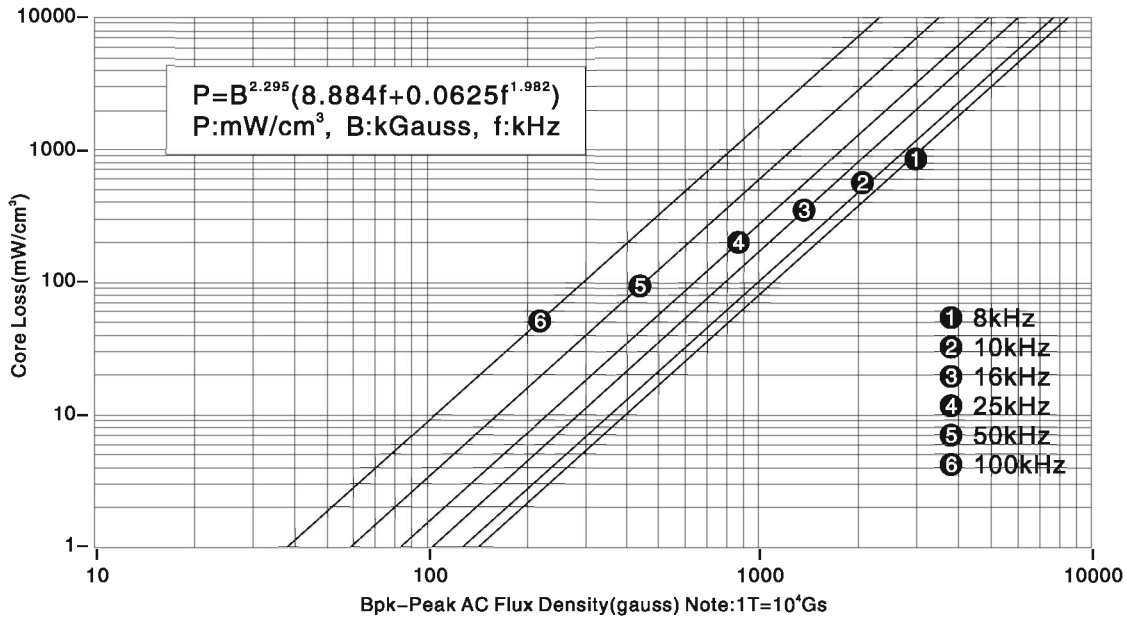
μ	a	b	c
26	1	1.87E-05	1.809
40	1	6.46E-06	2.150
60	1	5.72E-05	1.900
75	1	1.28E-04	1.868
90	1	2.77E-04	1.785

Typical Core Loss Curves(26 μ ,40 μ)

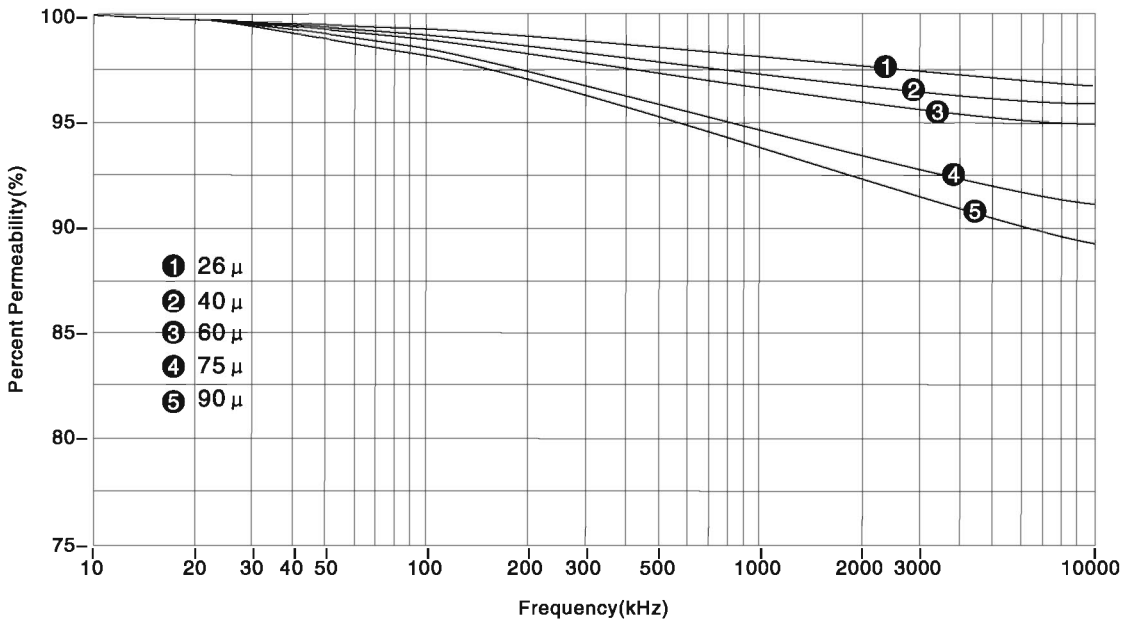


Si-Fe Cores (KSF)

Typical Core Loss Curves(60 μ ,75 μ ,90 μ)

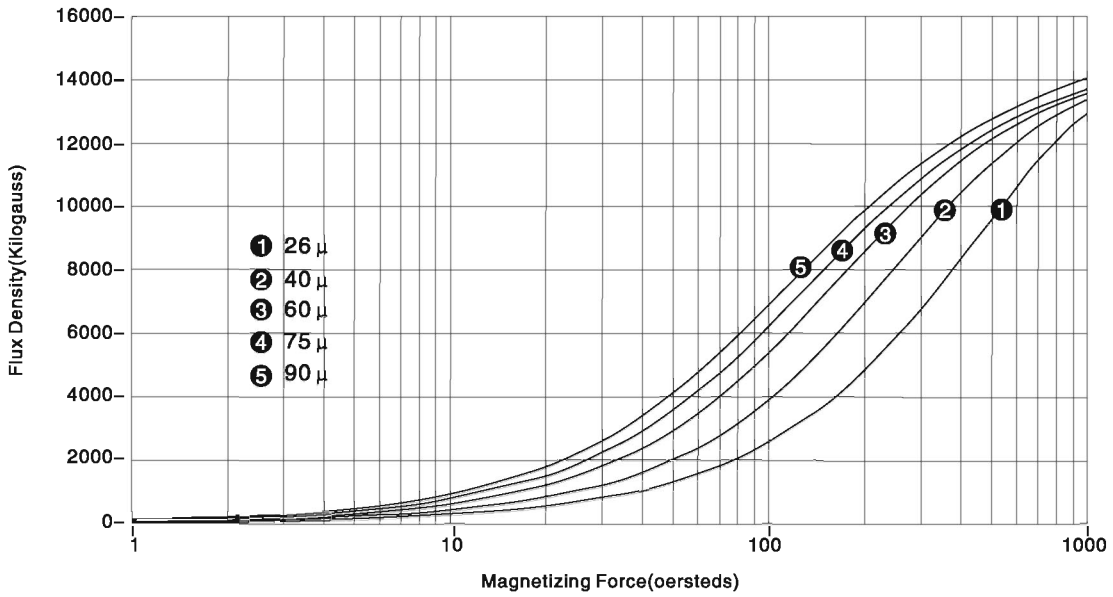


Permeability vs. Frequency

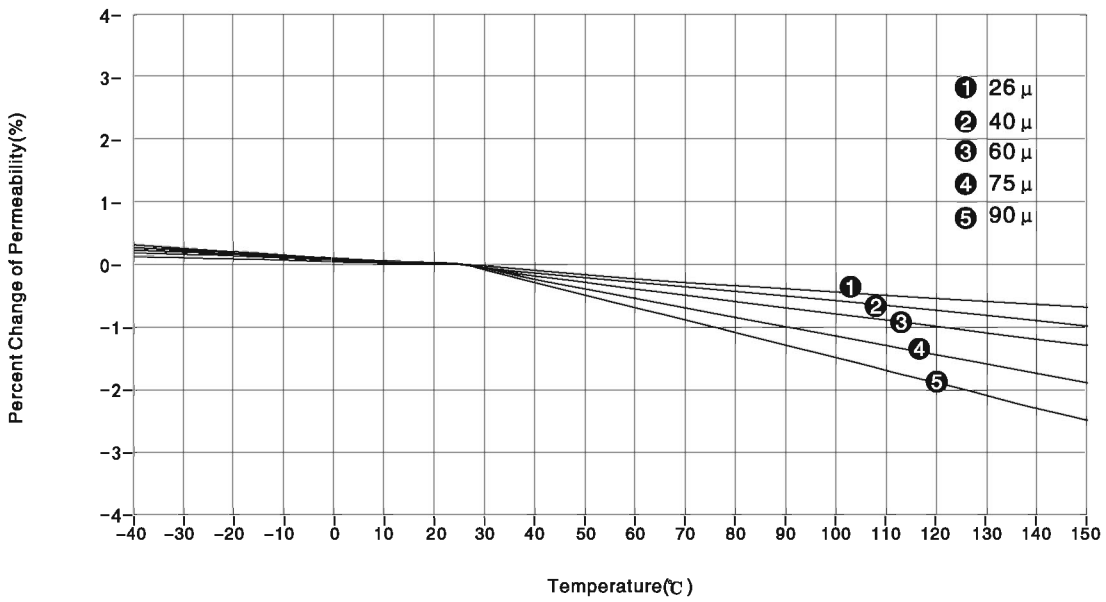


Si-Fe Cores (KSF)

Normal Magnetization Curves



Temperature Stability



Si-Fe Cores (KSF)

Part Number	Perm. (μ)	AL ±8%	ℓ_e in/cm	A_e in^2/cm^2	V in^3/cm^3	W in^2/cm^2	Dimensions (mm) OD (max) ×ID (min) ×HT (max)	
							Before Coating	After Coating
KSF050-026A	26	12	1.229 /3.120	0.0177 /0.114	0.022 /0.356	0.0594 /0.383	12.70×7.62×4.75	13.46×6.99×5.51
KSF050-060A	60	27						
KSF050-075A	75	34						
KSF050-090A	90	40						
KSF065-026A	26	15	1.619 /4.110	0.0298 /0.192	0.048 /0.789	0.1105 /0.713	16.50×10.20×6.35	17.40×9.53×7.11
KSF065-060A	60	35						
KSF065-075A	75	43						
KSF065-090A	90	52						
KSF068-026A	26	19	1.630 /4.140	0.0360 /0.232	0.059 /0.960	0.0990 /0.638	17.30×9.65×6.35	18.03×9.02×7.11
KSF068-060A	60	43						
KSF068-075A	75	53						
KSF068-090A	90	64						
KSF080-026A	26	14	2.010 /5.090	0.0350 /0.226	0.070 /1.150	0.1772 /1.140	20.30×12.70×6.35	21.10×12.07×7.11
KSF080-060A	60	32						
KSF080-075A	75	41						
KSF080-090A	90	49						
KSF090-026A	26	19	2.230 /5.670	0.0513 /0.331	0.114 /1.880	0.2181 /1.410	22.90×14.07×7.62	23.62×13.39×8.38
KSF090-060A	60	43						
KSF090-075A	75	54						
KSF090-090A	90	65						
KSF092-026A	26	22	2.320 /5.880	0.0610 /0.388	0.142 /2.280	0.2307 /1.490	23.60×14.40×8.89	24.30×13.77×9.70
KSF092-060A	60	51						
KSF092-075A	75	63						
KSF092-090A	90	76						
KSF106-026A	26	32	2.500 /6.350	0.1014 /0.654	0.254 /4.150	0.2419 /1.560	26.90×14.70×11.20	27.70×14.10×11.99
KSF106-060A	60	75						
KSF106-075A	75	94						
KSF106-090A	90	113						
KSF107-026A	26	22	2.501 /6.352	0.0770 /0.497	0.198 /3.155	0.2419 /1.561	26.90×14.70×8.64	27.70×14.10×9.45
KSF107-060A	60	59						
KSF107-075A	75	74						
KSF107-090A	90	89						
KSF130-026A	26	28	3.210 /8.150	0.1042 /0.672	0.334 /5.480	0.4537 /2.930	33.00×19.90×10.70	33.83×19.30×11.61
KSF130-060A	60	61						
KSF130-075A	75	76						
KSF130-090A	90	91						

Si-Fe Cores (KSF)

Part Number	Perm. (μ)	AL ±8%	ℓ_e in/cm	A_e in^2/cm^2	V in^3/cm^3	W in^2/cm^2	Dimensions (mm) OD (max) ×ID (min) ×HT (max)	
							Before Coating	After Coating
KSF131-026A	26	22	3.207 /8.147	0.0854 /0.551	0.274 /4.490	0.4537 /2.927	33.00×19.90×8.76	33.83×19.30×9.70
KSF131-060A	60	51						
KSF131-075A	75	64						
KSF131-090A	90	76.5						
KSF132-026A	26	28	3.207 /8.147	0.1082 /0.698	0.347 /5.687	0.4537 /2.927	33.00×19.90×11.18	33.83×19.30×11.99
KSF132-060A	60	65						
KSF132-075A	75	81						
KSF132-090A	90	97						
KSF135-026A	26	16	3.530 /8.950	0.0704 /0.454	0.249 /4.060	0.6193 /4.010	34.30×23.40×8.89	35.10×22.56×9.83
KSF135-060A	60	38						
KSF135-075A	75	47						
KSF135-090A	90	57						
KSF141-026A	26	24	3.540 /8.980	0.1051 /0.678	0.372 /6.088	0.5648 /3.640	35.80×22.40×10.50	36.63×21.54×11.28
KSF141-060A	60	56						
KSF141-075A	75	70						
KSF141-090A	90	84						
KSF157-026A	26	35	3.880 /9.840	0.1662 /1.072	0.645 /10.500	0.6619 /4.270	39.90×24.10×14.50	40.72×23.30×15.37
KSF157-060A	60	81						
KSF157-075A	75	101						
KSF157-090A	90	121						
KSF158-026A	26	53	0.374 /9.510	0.060 /1.537	0.592 /15.043	0.5500 /3.550	40.13×22.08×17.00	40.94×21.27×17.89
KSF158-060A	60	122						
KSF158-075A	75	152						
KSF158-090A	90	183						
KSF168-026A	26	47	4.040 /10.216	0.229 /1.475	0.960 /15.741	0.5648 /3.644	42.90×24.20×16.26	44.00×23.30×17.16
KSF168-060A	60	108						
KSF168-075A	75	135						
KSF168-090A	90	161						
KSF184-026A	26	59	4.230 /10.740	0.308 /1.990	1.300 /21.300	0.6619 /4.270	46.70×24.10×18.00	47.63×23.32×18.92
KSF184-060A	60	135						
KSF184-075A	75	169						
KSF184-090A	90	202						
KSF185-026A	26	37	4.580 /11.630	0.208 /1.340	0.953 /15.530	0.6469 /6.110	46.70×28.70×15.20	47.63×27.89×16.13
KSF185-060A	60	86						
KSF185-075A	75	107						
KSF185-090A	90	128						

Si-Fe Cores (KSF)

Part Number	Perm. (μ)	AL ±8%	ℓ_e in/cm	A_e in^2/cm^2	V in^3/cm^3	W in^2/cm^2	Dimensions (mm) OD (max) ×ID (min) ×HT (max)	
							Before Coating	After Coating
KSF200-026A	26	32	5.020 /12.730	0.194 /1.251	0.974 /15.930	1.165 /7.500	50.80×31.80×13.50	51.69×30.94×14.35
KSF200-060A	60	73						
KSF200-075A	75	91						
KSF200-090A	90	109						
KSF225-026A	26	33	5.630 /14.300	0.224 /1.444	12.260 /20.650	1.470 /9.480	57.20×35.60×14.00	58.00×34.70×14.86
KSF225-060A	60	75						
KSF225-075A	75	94						
KSF225-090A	90	112						
KSF226-026A	26	60	4.930 /12.500	0.355 /2.290	1.750 /28.600	0.796 /5.140	57.20×26.40×15.20	58.00×25.60×16.10
KSF226-060A	60	138						
KSF226-075A	75	175						
KSF226-090A	90	207						
KSF250-026A	26	83	5.660 /14.370	0.570 /3.675	3.223 /52.810	1.198 /7.730	62.00×32.60×25.00	63.10×31.37×26.27
KSF250-060A	60	192						
KSF250-075A	75	240						
KSF250-090A	90	288						
KSF268-026A	26	62	6.429 /16.330	0.481 /3.104	3.093 /50.690	1.491 /9.620	68.00×36.00×20.00	69.40×34.70×21.40
KSF268-060A	60	143						
KSF268-075A	75	179						
KSF268-090A	90	215						
KSF290-026A	26	89	7.24 /18.380	0.781 /5.040	5.653 /92.640	2.364 /15.250	74.80×45.30×35.00	75.20×44.07×36.27
KSF290-060A	60	206						
KSF290-075A	75	257						
KSF290-090A	90	309						
KSF300-026A	26	30	7.72 /20.000	0.274 /1.770	2.115 /34.700	2.800 /17.990	77.80×49.20×12.70	78.90×48.20×13.84
KSF300-060A	60	68						
KSF300-075A	75	85						
KSF300-090A	90	102						
KSF301-026A	26	37	7.86 /19.950	0.352 /2.270	2.770 /45.300	2.800 /17.990	77.80×49.20×15.90	78.90×48.20×17.02
KSF301-060A	60	85						
KSF301-075A	75	107						
KSF301-090A	90	128						
KSF400-026A	26	48	9.56 /24.271	0.546 /3.523	5.217 /85.495	3.784 /24.413	101.60×57.15×16.51	103.12×55.75×17.78
KSF400-060A	60	112						
KSF400-075A	75	137						
KSF400-090A	90	164						

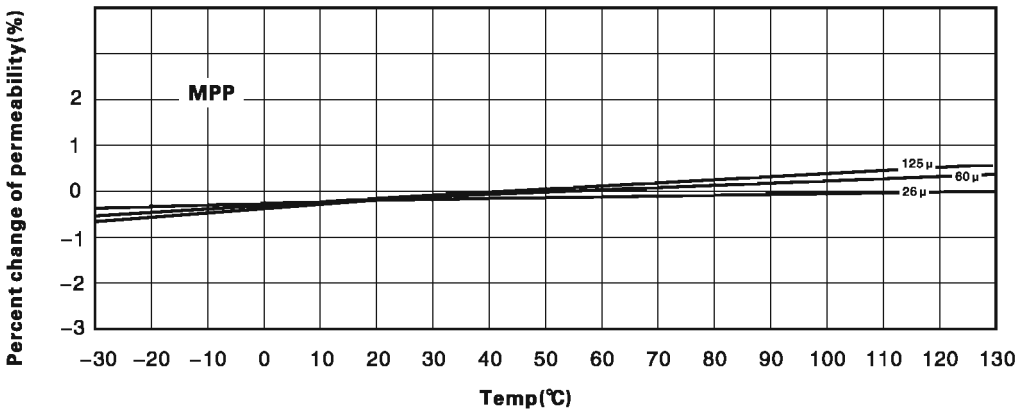
Si-Fe Cores (KSF)

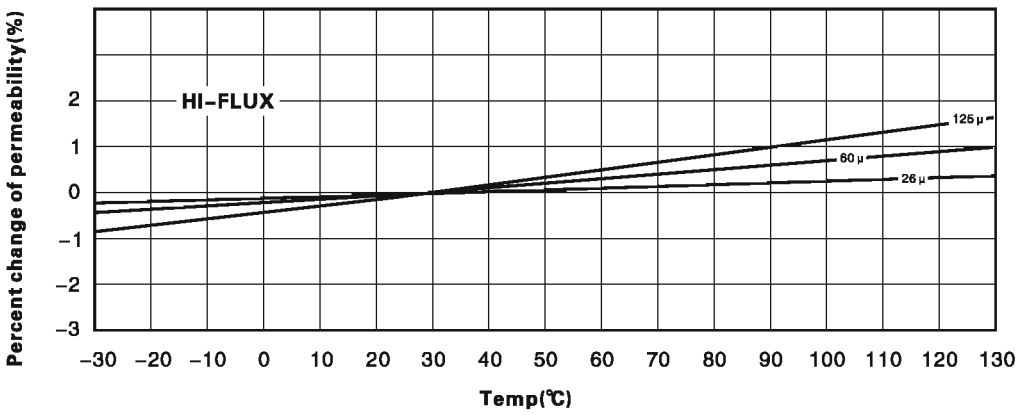
Part Number	Perm. (μ)	AL ±8%	ℓ_e in/cm	A_e in^2/cm^2	V in^3/cm^3	W in^2/cm^2	Dimensions (mm) OD (max) ×ID (min) ×HT (max)	
							Before Coating	After Coating
KSF401-026A	26	40	9.56 /24.271	0.461 /2.972	4.401 /72.122	3.784 /24.413	101.60×57.15×13.59	103.12×55.75×14.86
KSF401-060A	60	92						
KSF401-075A	75	115						
KSF401-090A	90	139						
KSF520-026A	26	54	12.77 /32.428	0.829 /5.347	10.580 /173.400	7.225 /46.612	132.54×78.59×20.32	133.96×77.04×21.72
KSF520-060A	60	124						
KSF520-075A	75	155						
KSF520-090A	90	187						
KSF521-026A	26	67.6	12.77 /32.429	1.040 /6.710	13.280 /217.580	7.225 /46.612	132.54×78.59×25.40	133.96×77.04×26.80
KSF521-060A	60	156						
KSF521-075A	75	195						
KSF521-090A	90	234						
KSF650-026A	26	160	15.22 /38.650	2.932 /18.920	44.620 /731.260	9.190 /59.310	165.00×88.90×50.80	167.20×86.90×52.90
KSF650-060A	60	368						
KSF651-026A	26	78	16.22 /41.200	1.529 /9.870	63.085 /407.000	12.440 /80.300	165.00×102.40×31.75	166.50×101.00×33.15
KSF651-060A	60	180						

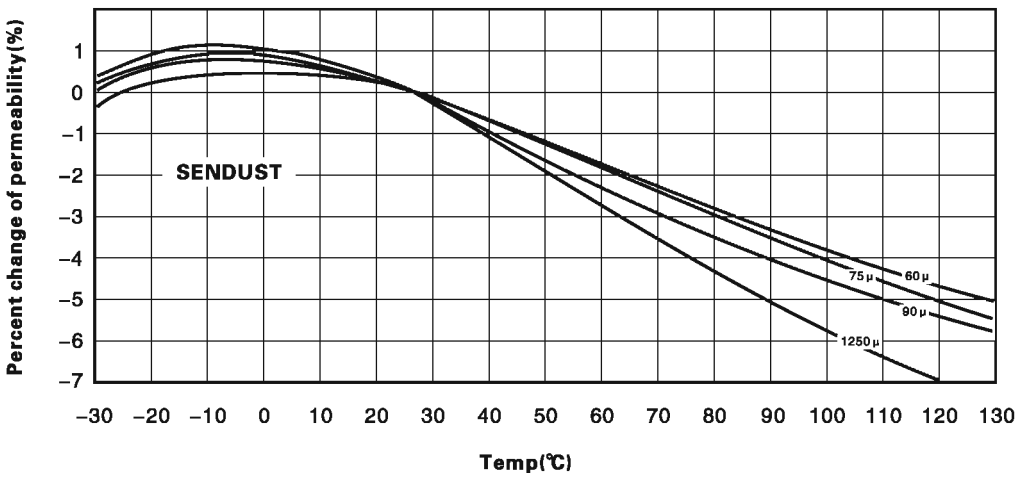
ALLOY POWDER CORE SERIES PRODUCTS

Material Characteristics Curves

Temperature Stability







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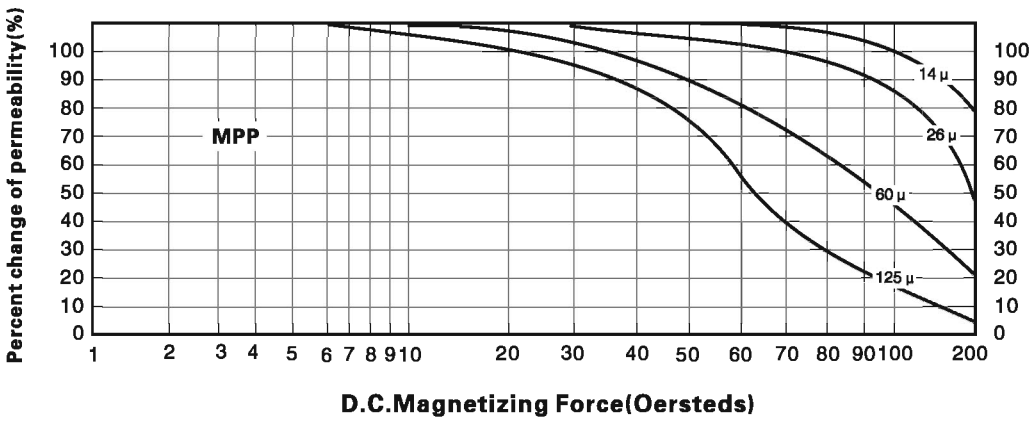
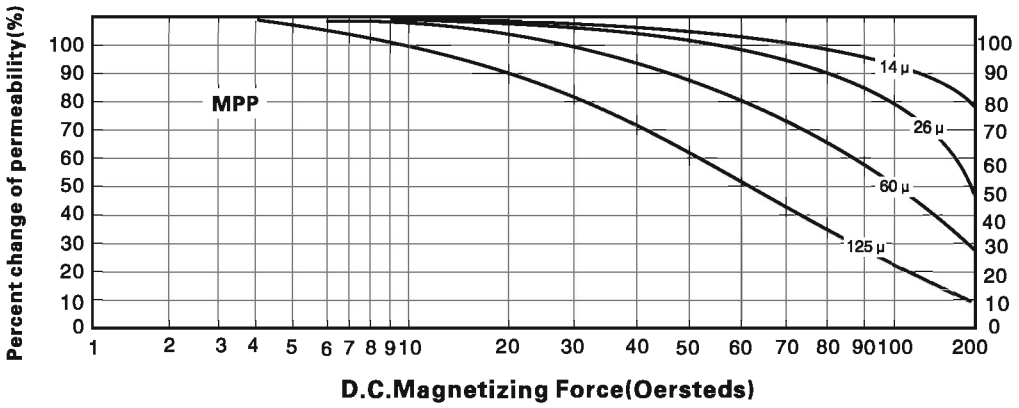
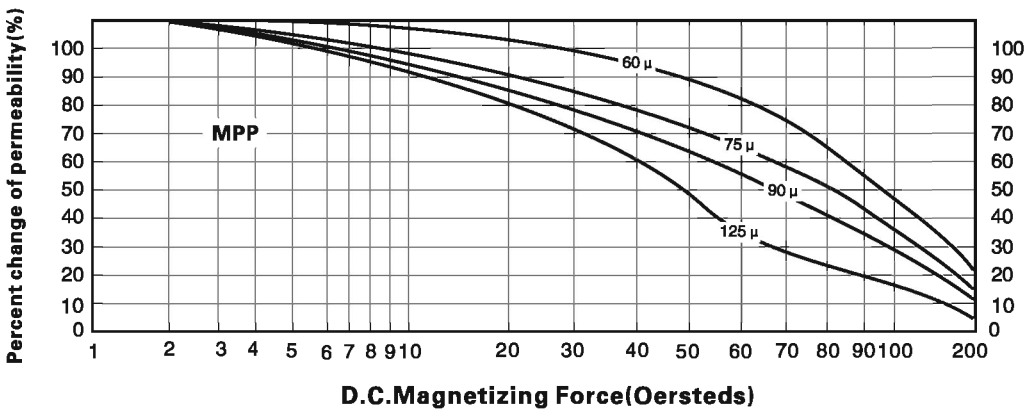
ALLOY POWDER CORE SERIES PRODUCTS

Material Characteristics Curves

Typical Incremental Permeability vs.D.C.Bias



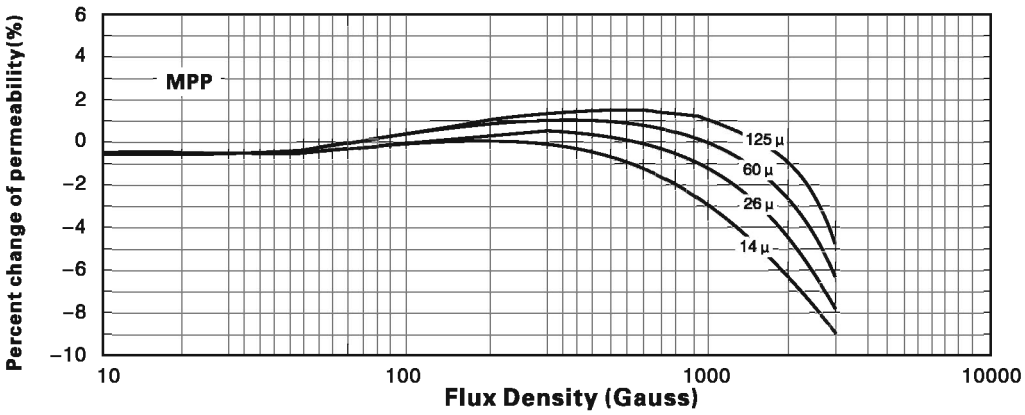


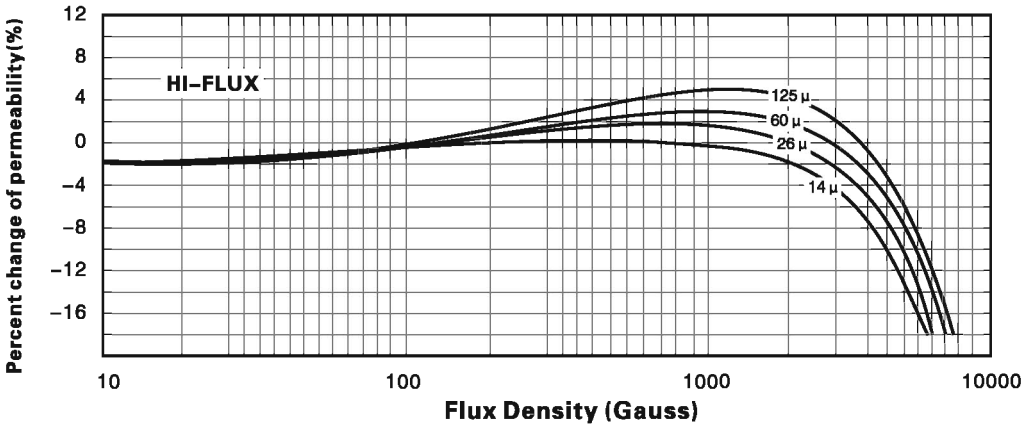


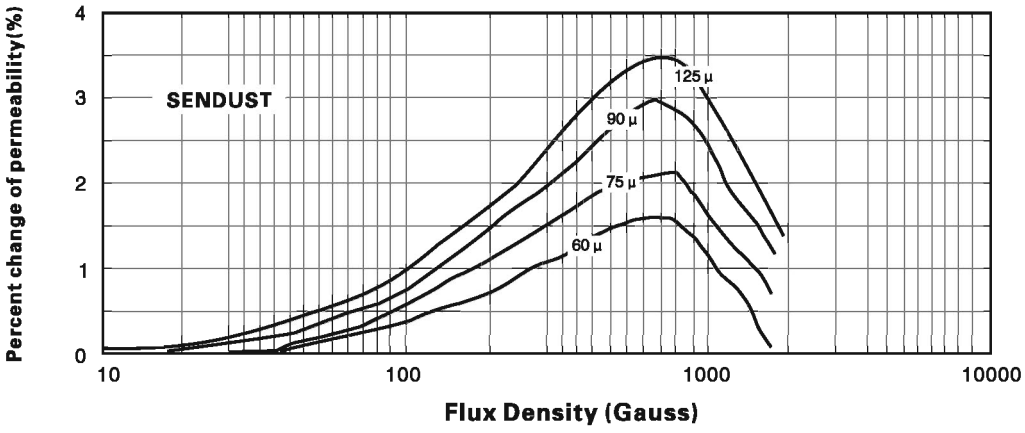
ALLOY POWDER CORE SERIES PRODUCTS

Material Characteristics Curves

Permeability vs AC Flux Density







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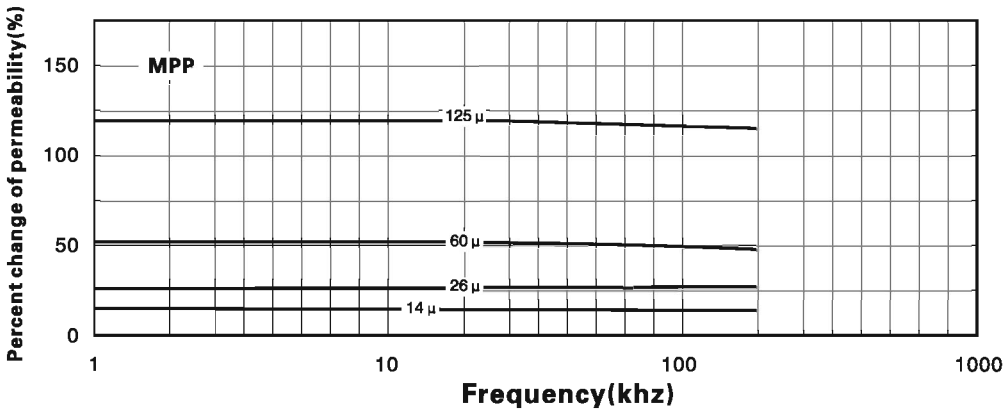
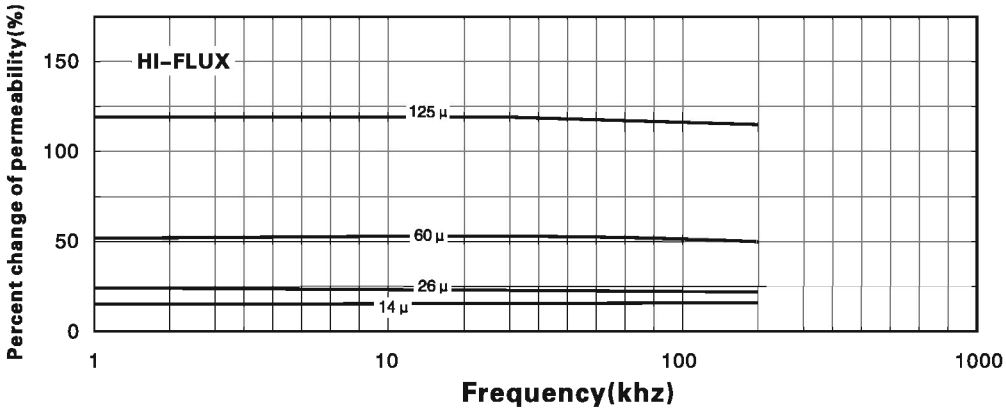
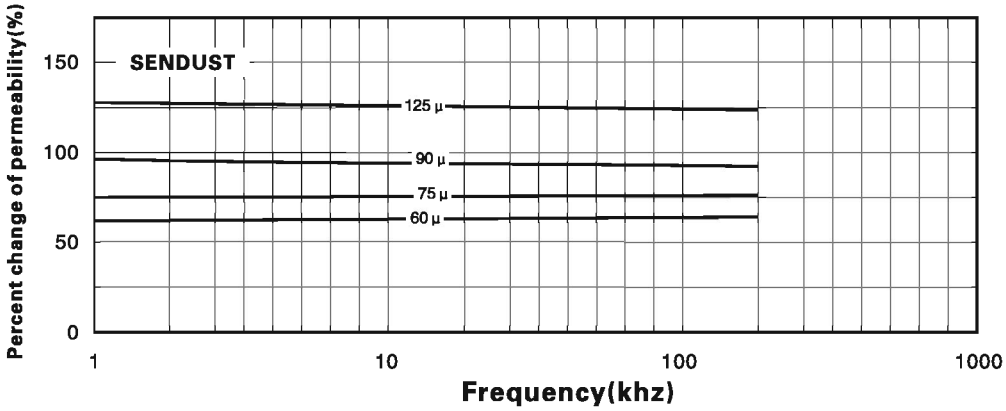
ALLOY POWDER CORE SERIES PRODUCTS

Material Characteristics Curves

Permeability vs.Frequency





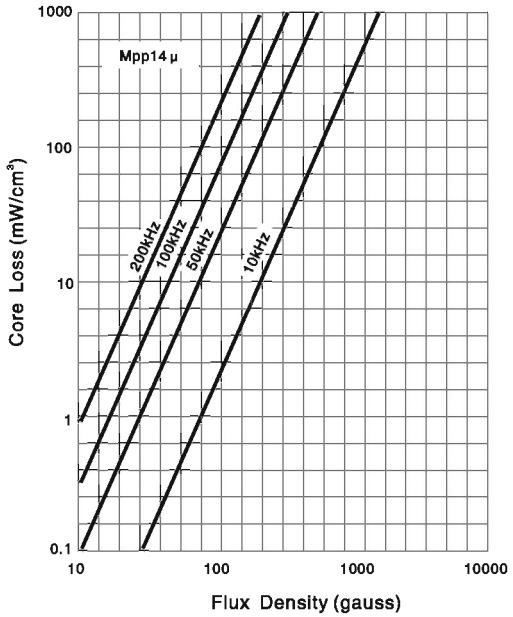


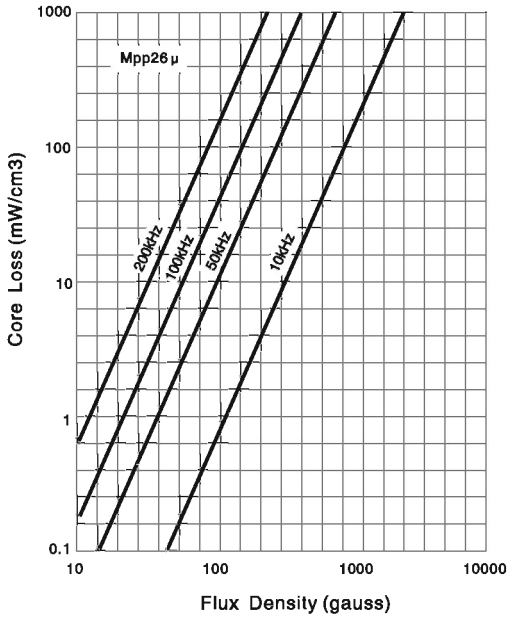
ALLOY POWDER CORE SERIES PRODUCTS

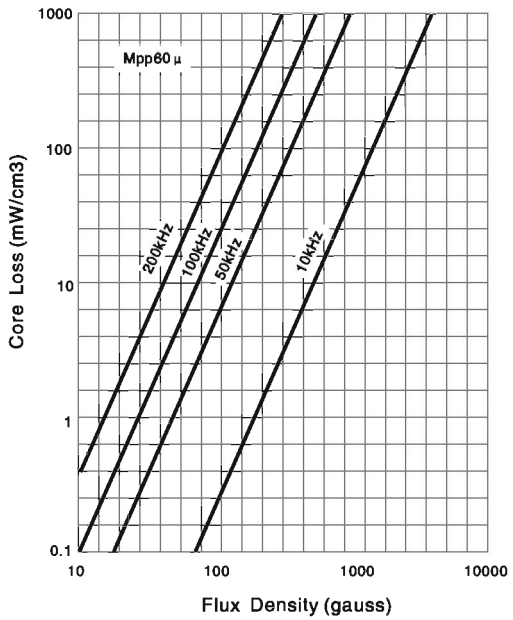
Material Characteristics Curves

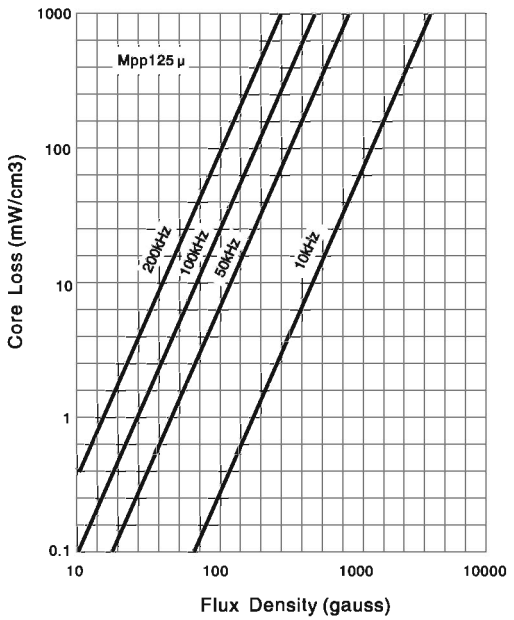
E Type Cores

Core Loss vs. Flux Density







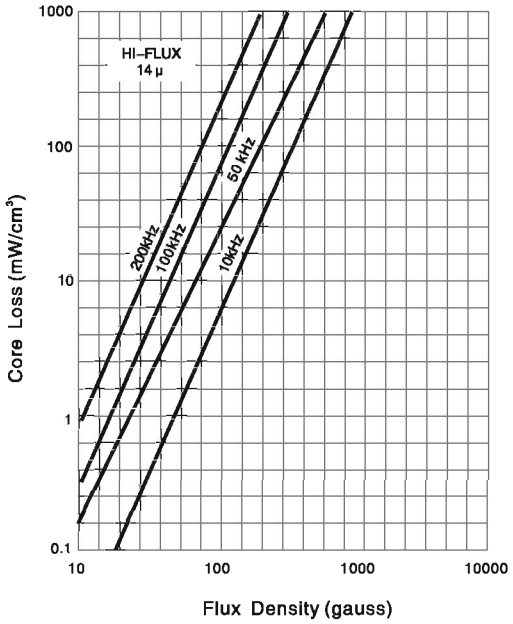


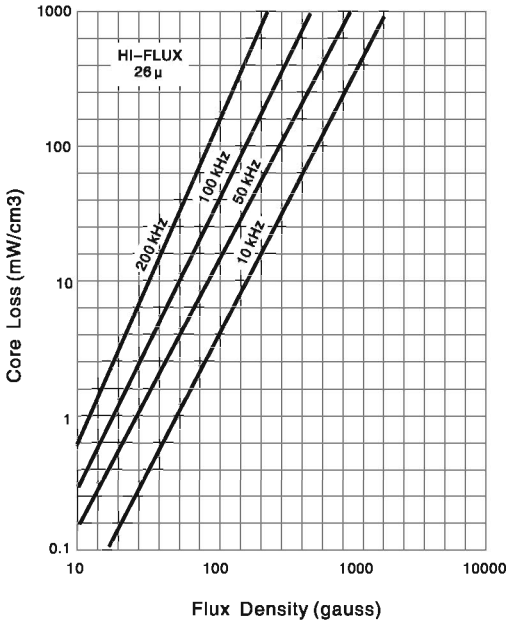
ALLOY POWDER CORE SERIES PRODUCTS

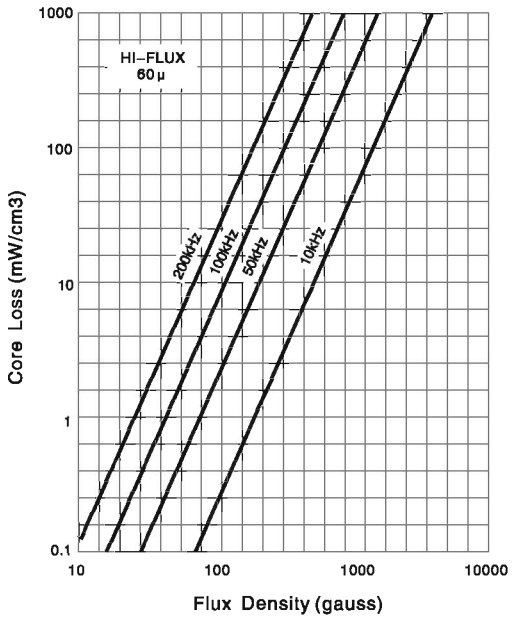
Material Characteristics Curves

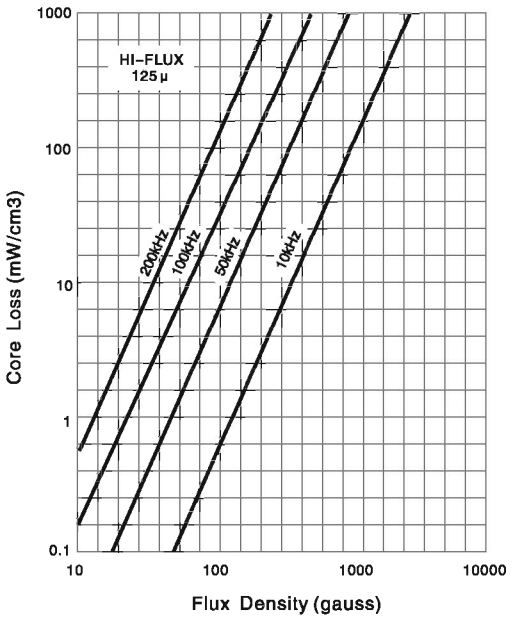
E Type Cores

Core Loss vs. Flux Density







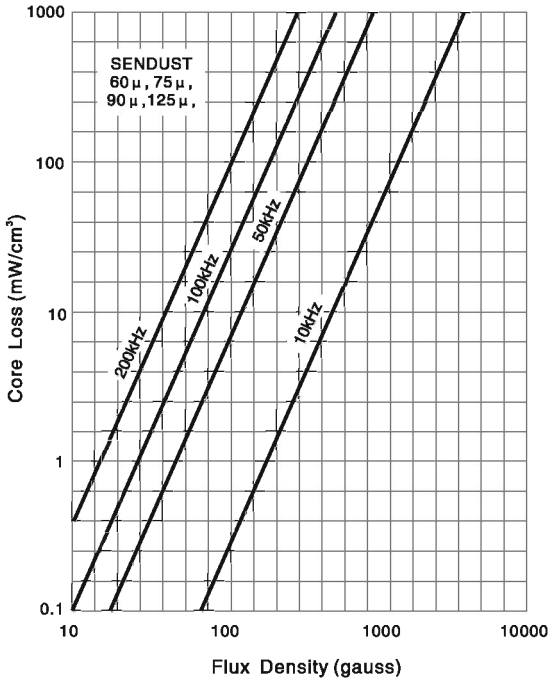


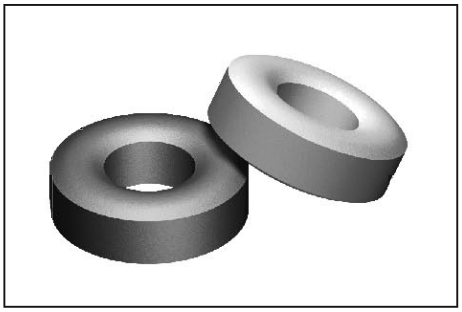
ALLOY POWDER CORE SERIES PRODUCTS

Material Characteristics Curves

E Type Cores

Core Loss vs. Flux Density





ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores

TYPICAL PART No.

MPP 106—125
HF
KS

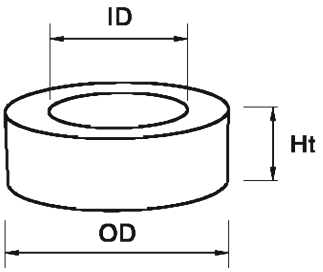
- Permeability(μ_e)
- Size Designation
- Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			Le cm	Ae cm²	Ve cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
031-14	6	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
031-26	11	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
031-60	25	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
031-75	31	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
031-90	37	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
031-125	52	7.87	3.96	3.18	8.51	3.43	3.81	1.787	0.062	0.11
038-26	14	9.65	4.78	3.96	10.29	4.27	4.60	2.180	0.094	0.206
038-60	32	9.65	4.78	3.96	10.29	4.27	4.60	2.180	0.094	0.206
038-75	40	9.65	4.78	3.96	10.29	4.27	4.60	2.180	0.094	0.206
038-90	48	9.65	4.78	3.96	10.29	4.27	4.60	2.180	0.094	0.206
038-125	66	9.65	4.78	3.96	10.29	4.27	4.60	2.180	0.094	0.206
039-14	6	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
039-26	11	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
039-60	25	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
039-75	32	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
039-90	38	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
039-125	53	9.65	4.78	3.18	10.29	4.27	3.81	2.177	0.075	0.164
040-14	7	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238
040-26	14	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238
040-60	32	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238
040-75	40	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238
040-90	48	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238
040-125	66	10.16	5.08	3.96	10.80	4.57	4.57	2.38	0.100	0.238

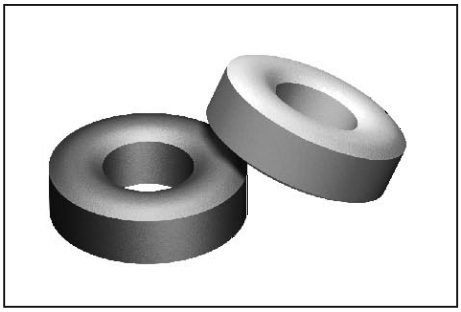
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores



TYPICAL PART No.

MPP 106—125
HF
KS

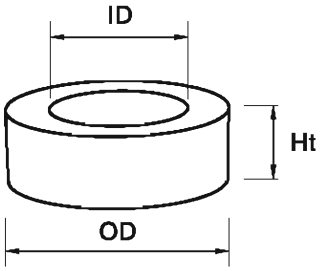
- Permeability(μ_e)
- Size Designation
- Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
050–14	6.4	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
050–26	12	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
050–60	27	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
050–75	34	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
050–90	40	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
050–125	56	12.7	7.62	4.75	13.46	6.99	5.51	3.124	0.114	0.356
065–14	8	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
065–26	15	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
065–60	35	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
065–75	43	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
065–90	52	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
065–125	72	16.51	10.16	6.35	17.40	9.53	7.11	4.11	0.192	0.789
068–14	10	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
068–26	19	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
068–60	43	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
068–75	53	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
068–90	64	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
068–125	89	17.27	9.65	6.35	18.03	9.02	7.11	4.14	0.232	0.961
080–26	14	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150
080–35	19	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150
080–60	32	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150
080–75	41	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150
080–90	49	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150
080–125	68	20.30	12.70	6.35	21.10	12.07	7.11	5.090	0.226	1.150

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

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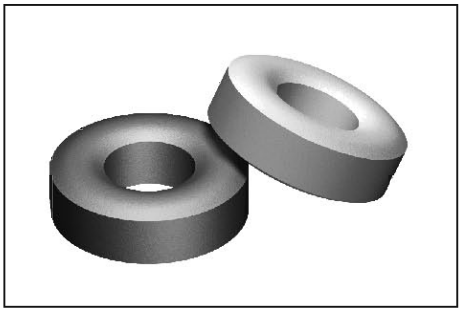


ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores

TYPICAL PART No.

MPP 106—125
HF
KS

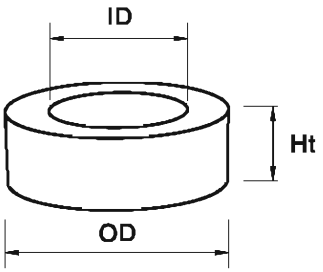
- 106—125 → Permeability(μ_e)
- 106—125 → Size Designation
- KS → Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
090-26	19	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
090-35	25	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
090-60	43	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
090-75	54	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
090-90	65	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
090-125	90	22.90	14.00	7.62	23.62	13.39	8.38	5.670	0.331	1.880
092-26	22	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
092-35	30	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
092-60	51	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
092-75	63	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
092-90	76	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
092-125	105	23.60	14.40	8.89	24.30	13.77	9.70	5.880	0.388	2.280
106-26	32	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
106-35	45	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
106-60	75	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
106-75	94	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
106-90	113	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
106-125	157	26.90	14.70	11.20	27.70	14.10	11.99	0.635	0.654	4.150
107-26	26	26.90	14.70	8.64	27.70	14.10	9.45	6.352	0.497	3.1551
107-60	59	26.90	14.70	8.64	27.70	14.10	9.45	6.352	0.497	3.1551
107-75	74	26.90	14.70	8.64	27.70	14.10	9.45	6.352	0.497	3.1551
107-90	89	26.90	14.70	8.64	27.70	14.10	9.45	6.352	0.497	3.1551
107-125	123	26.90	14.70	8.64	27.70	14.10	9.45	6.352	0.497	3.1551

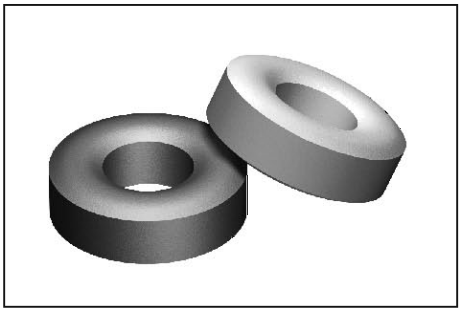
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores



TYPICAL PART No.

MPP 106—125
HF
KS

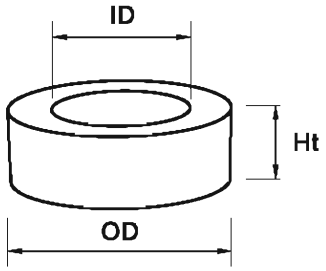
- Permeability(μ_e)
- Size Designation
- Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

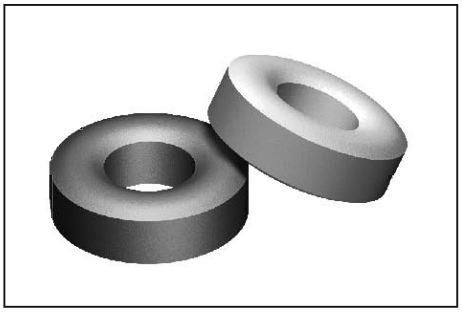
Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
130–26	28	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
130–35	36	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
130–60	61	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
130–75	76	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
130–90	91	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
130–125	127	33.00	19.90	10.70	33.83	19.30	11.61	8.150	0.672	5.480
131–26	22	33.00	19.90	8.76	33.83	19.30	9.70	8.147	0.551	4.490
131–60	51	33.00	19.90	8.76	33.83	19.30	9.70	8.147	0.551	4.490
131–75	64	33.00	19.90	8.76	33.83	19.30	9.70	8.147	0.551	4.490
131–90	76.5	33.00	19.90	8.76	33.83	19.30	9.70	8.147	0.551	4.490
131–125	109	33.00	19.90	8.76	33.83	19.30	9.70	8.147	0.551	4.490
132–26	28	33.0	19.90	11.18	33.83	19.30	11.99	8.147	0.698	5.687
132–60	65	33.0	19.90	11.18	33.83	19.30	11.99	8.147	0.698	5.687
132–75	81	33.0	19.90	11.18	33.83	19.30	11.99	8.147	0.698	5.687
132–90	97	33.0	19.90	11.18	33.83	19.30	11.99	8.147	0.698	5.687
132–125	135	33.0	19.90	11.18	33.83	19.30	11.99	8.147	0.698	5.687
135–26	16	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060
135–35	22	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060
135–60	38	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060
135–75	47	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060
135–90	57	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060
135–125	79	34.30	23.40	8.89	35.10	22.56	9.83	8.950	0.454	4.060

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086-29-87851838 Fax:0086-29-87851840



ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores

TYPICAL PART No.

MPP 106—125
HF
KS

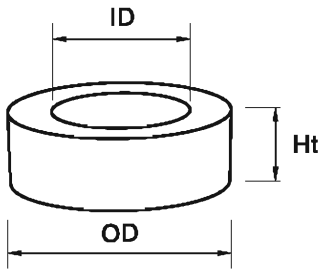
- Permeability(μ_e)
- Size Designation
- Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
141-26	24	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
141-35	33	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
141-60	56	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
141-75	70	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
141-90	84	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
141-125	117	35.80	22.40	10.50	36.63	21.54	11.28	0.678	6.088	3.640
157-26	35	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
157-35	48	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
157-60	81	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
157-75	101	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
157-90	121	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
157-125	168	39.90	24.10	14.50	40.72	23.30	15.37	9.840	1.072	10.500
168-26	47	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
168-35	63	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
168-60	108	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
168-75	135	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
168-90	161	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
168-125	224	42.90	24.20	16.26	44.00	23.30	17.16	10.261	1.475	15.741
184-26	59	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300
184-35	80	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300
184-60	135	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300
184-75	169	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300
184-90	202	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300
184-125	281	46.70	24.10	18.00	47.63	23.32	18.92	10.740	1.990	21.300

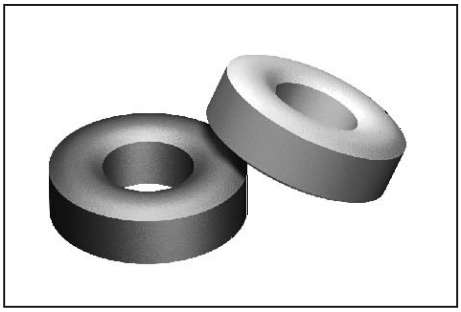
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores



TYPICAL PART No.

MPP 106—125
HF
KS

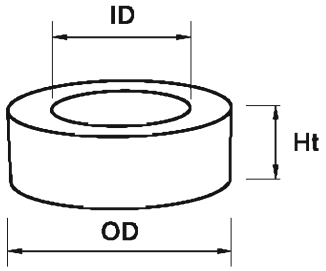
- Permeability(μ_e)
- Size Designation
- Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

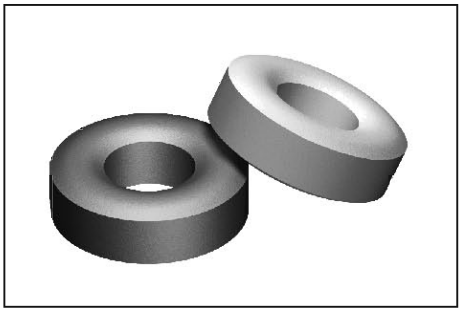
Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
185–26	37	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
185–35	50	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
185–60	86	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
185–75	107	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
185–90	128	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
185–125	178	46.70	28.70	15.20	47.63	27.89	16.13	11.630	1.340	15.580
200–26	32	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
200–35	43	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
200–60	73	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
200–75	91	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
200–90	109	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
200–125	152	50.80	31.80	13.50	51.69	30.94	14.35	12.730	1.251	15.930
225–26	33	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
225–35	44	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
225–60	75	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
225–75	94	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
225–90	112	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
225–125	156	57.20	35.60	14.00	58.00	34.70	14.86	14.300	1.444	20.650
226–26	60	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600
226–35	81	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600
226–60	138	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600
226–75	172	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600
226–90	207	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600
226–125	287	57.20	26.40	15.20	58.00	25.60	16.10	12.500	2.290	28.600

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

SHINHOM ELECTRONICS ENTERPRISE CO.,LTD. No.100YanTa Northern Road Zip:710054 Tel:0086-29-87851838 Fax:0086-29-87851840



ALLOY POWDER CORE SERIES PRODUCTS

Toroidal Cores

TYPICAL PART No.

MPP 106—125
HF
KS

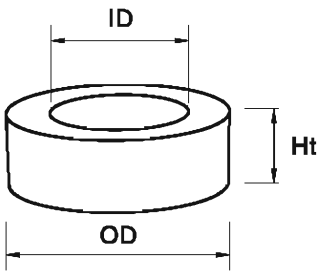
- Permeability(μ_e)
- Size Designation
- Materials Mix No.

Permeability:From 14 μ to125 μ
MPP:MPP Core(gray)
HF:High Flux Core(blue)
KS:Sendust Core(black)

STANDARD SPECIFICATIONS

Part No. MPP-XXX-XX HF-XXX-XX KS-XXX-XX	A_L nH/N²	Dimensions (Bare)			Dimensions (Coated)			L cm	A cm²	V cm³
		OD mm	ID mm	HT mm	OD mm(Max)	ID mm(Min)	HT mm(Max)			
300-26	30	77.80	49.20	12.70	78.90	48.20	13.84	20.00	1.770	34.700
300-60	68	77.80	49.20	12.70	78.90	48.20	13.84	20.00	1.770	34.700
300-75	85	77.80	49.20	12.70	78.90	48.20	13.84	20.00	1.770	34.700
300-90	102	77.80	49.20	12.70	78.90	48.20	13.84	20.00	1.770	34.700
300-125	142	77.80	49.20	12.70	78.90	48.20	13.84	20.00	1.770	34.700
301-26	37	77.80	49.20	15.90	78.90	48.20	17.02	19.950	2.270	45.300
301-60	85	77.80	49.20	15.90	78.90	48.20	17.02	19.950	2.270	45.300
301-75	107	77.80	49.20	15.90	78.90	48.20	17.02	19.950	2.270	45.300
301-90	128	77.80	49.20	15.90	78.90	48.20	17.02	19.950	2.270	45.300
301-125	178	77.80	49.20	15.90	78.90	48.20	17.02	19.950	2.270	45.300

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Le: Mean Magnetic Path length
Ae: Cross Section Area
Ve: Core Volume
Operating temperature range: –55℃~+125℃
A_L Test condition: 10kHz, 1mT

SENDUST CORES SERIES PRODUCTS

POT Cores

PC70

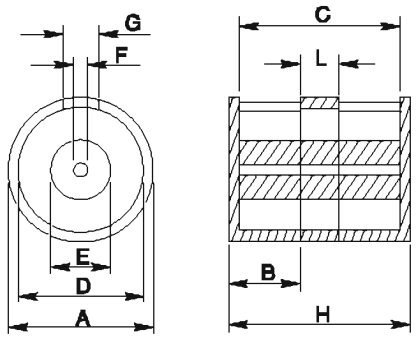
PHYSICAL SPECIFICATIONS

Part No.	A ±0.5	B ±0.5	C ±0.5	D ±0.5	E ±0.5	F ±0.5	G ±0.5	H ±0.5	L ±0.5
PC70-H55	70	27.5	34	61	35	8.5	20	55	/
PC70-H60	70	30	39	61	35	8.5	20	60	/
PC70-H65	70	32.5	44	61	35	8.5	20	65	/
PC70-H70	70	35	49	61	35	8.5	20	70	/
PC70-H75	70	37.5	54	61	35	8.5	20	75	/
PC70-H80	70	40	59	61	35	8.5	20	80	/
PC70-H85	70	42.5	64	61	35	8.5	20	85	/
PC70-H90	70	45	69	61	35	8.5	20	90	/
PC70-H95	70	47.5	74	61	35	8.5	20	95	/
PC70-H100	70	50	79	61	35	8.5	20	100	/
PC70-H105	70	42.5	84	61	35	8.5	20	105	/
PC70-H110	70	55	89	61	35	8.5	20	110	/

ELECTRO MAGNETIC PROPERTIES

Part No.	Le cm	Ae cm^2	Ve cm^3	W cm^2	AL(nH/N^2) ±15%			
					NF26	NF35	NF60	NF75
PC70-H55	13.28	9.53	126.51	9.18	254	362	412	536
PC70-H60	14.25	9.44	134.47	10.53	245	312	356	462
PC70-H65	15.22	9.37	142.56	11.88	217	277	316	410
PC70-H70	16.19	9.32	150.84	13.23	195	248	283	367
PC70-H75	17.16	9.27	159.03	14.58	177	225	257	334
PC70-H80	18.13	9.24	167.48	15.93	164	207	236	303
PC70-H85	19.10	9.21	175.85	17.28	151	190	217	285
PC70-H90	20.07	9.18	184.20	18.63	143	178	203	263
PC70-H95	21.04	9.16	192.68	19.98	133	168	191	248
PC70-H100	22.01	9.14	201.13	21.33	125	157	179	233
PC70-H105	22.98	9.12	209.53	22.68	118	149	170	220
PC70-H110	23.95	9.11	218.14	24.03	112	141	160	208

TECHNICAL INFORMATION



TYPICAL PART No.

PC 70 — H55

- PC: Pot Cores
- 70: Core Size
- H55: Height

Le: Mean Magetic Path Length
Ae: Cross Section Area
Ve: Core Volume

SENDUST CORES SERIES PRODUCTS

POT Cores

PC100

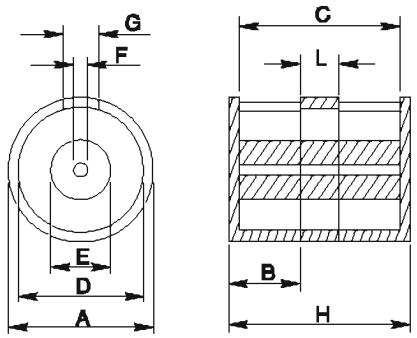
PHYSICAL SPECIFICATIONS

Part No.	A ±0.5	B ±0.5	C ±0.5	D ±0.5	E ±0.5	F ±0.5	G ±0.5	H ±0.5	L ±0.5
PC100-H50	100	25	29.5	87	40.5	8.5	35	50	/
PC100-H60	100	30	39.5	87	40.5	8.5	35	60	/
PC100-H70	100	35	49.5	87	40.5	8.5	35	70	/
PC100-H80	100	40	59.5	87	40.5	8.5	35	80	/
PC100-H90	100	45	69.5	87	40.5	8.5	35	90	/
PC100-H100	100	50	79.5	87	40.5	8.5	35	100	/
PC100-H110	100	40	89.5	87	40.5	8.5	35	110	30
PC100-H120	100	40	99.5	87	40.5	8.5	35	120	40
PC100-H130	100	50	109.5	87	40.5	8.5	35	130	30
PC100-H140	100	50	119.5	87	40.5	8.5	35	140	40
PC100-H150	100	50	129.5	87	40.5	8.5	35	150	50
PC100-H160	100	50	139.5	87	40.5	8.5	35	160	60

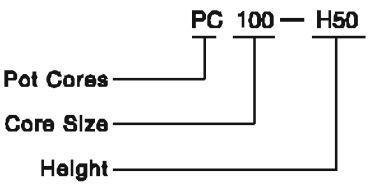
ELECTRO MAGNETIC PROPERTIES

Part No.	Le cm	Ae cm^2	Ve cm^3	W cm^2	AL(nH/N^2) ±15%			
					NF26	NF35	NF60	NF75
PC100-H50	12.92	15.25	197.0	6.9	352	460	525	683
PC100-H60	14.87	15.08	224.3	9.2	338	397	453	589
PC100-H70	16.82	14.96	251.6	11.5	300	352	402	523
PC100-H80	18.78	14.86	279.1	13.8	270	316	360	468
PC100-H90	20.74	14.79	306.6	16.1	245	287	327	425
PC100-H100	22.70	14.73	334.2	18.4	227	263	300	390
PC100-H110	24.65	14.68	361.8	20.7	209	242	276	363
PC100-H120	26.61	14.63	389.4	23.0	197	226	258	335
PC100-H130	28.57	14.60	417.0	25.3	184	213	243	316
PC100-H140	30.53	14.56	444.6	27.6	173	200	228	296
PC100-H150	32.49	14.54	472.3	29.9	163	189	216	281
PC100-H160	34.45	14.51	499.9	32.2	154	179	204	265

TECHNICAL INFORMATION



TYPICAL PART No.



Le: Mean Magetic Path Length
Ae: Cross Section Area
Ve: Core Volume

SENDUST CORES SERIES PRODUCTS

POT Cores

PC120

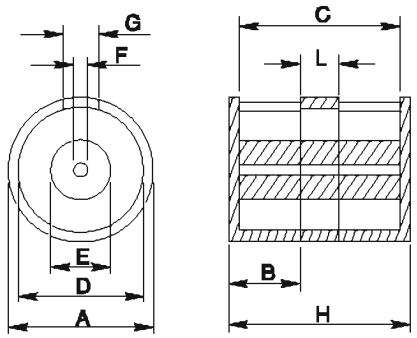
PHYSICAL SPECIFICATIONS

Part No.	A ±0.5	B ±0.5	C ±0.5	D ±0.5	E ±0.5	F ±0.5	G ±0.5	H ±0.5	L ±0.5
PC120-H60	120	30	34.5	103	50.5	8.5	35	60	/
PC120-H70	120	35	44.5	103	50.5	8.5	35	70	/
PC120-H80	120	40	54.5	103	50.5	8.5	35	80	/
PC120-H90	120	45	64.4	103	50.5	8.5	35	90	/
PC120-H100	120	50	74.5	103	50.5	8.5	35	100	/
PC120-H110	120	55	84.5	103	50.5	8.5	35	110	/
PC120-H120	120	60	94.5	103	50.5	8.5	35	120	/
PC120-H130	120	50	104.5	103	50.5	8.5	35	130	30
PC120-H140	120	50	114.5	103	50.5	8.5	35	140	40
PC120-H150	120	60	124.5	103	50.5	8.5	35	150	30
PC120-H160	120	60	134.5	103	50.5	8.5	35	160	40
PC120-H170	120	60	144.5	103	50.5	8.5	35	170	50
PC120-H180	120	60	154.5	103	50.5	8.5	35	180	60

ELECTRO MAGNETIC PROPERTIES

Part No.	Le cm	Ae cm^2	Ve cm^3	W cm^2	AL(nH/N^2) ±15%			
					NF26	NF35	NF60	NF75

TECHNICAL INFORMATION



TYPICAL PART No.

PC 120 — H60

- PC: Pot Cores
- 120: Core Size
- H60: Height

Le: Mean Magetic Path Length
Ae: Cross Section Area
Ve: Core Volume