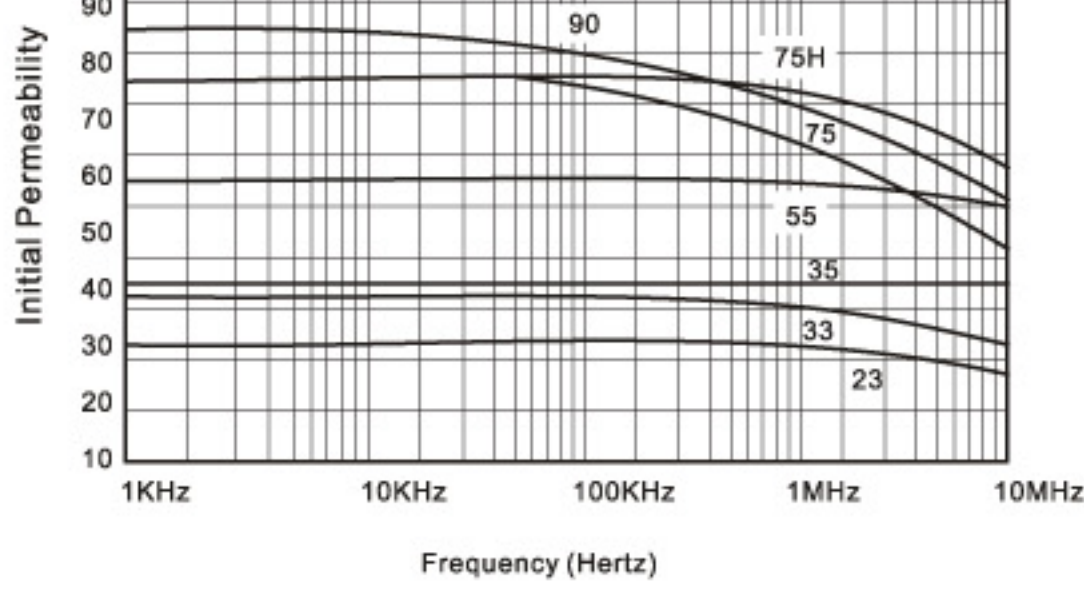


GENERAL MATERIAL PROPERTIES

Micrometals Materials	Bipolar Materials	Initial Permeability μ_i	Permeability with DC Bias Hdc=50 Oersted@ 10KHz
# 52	75H	75	44(59%)
# 26	75	75	38(50%)
# 40	60	60	37(62%)
# 18	55	55	40(72%)
# 8	35	35	30.8(88%)
# 33	33	33	28(85%)
# 28	23	23	20.7(90%)

INITIAL PERMEABILITY V.S. FREQUENCY

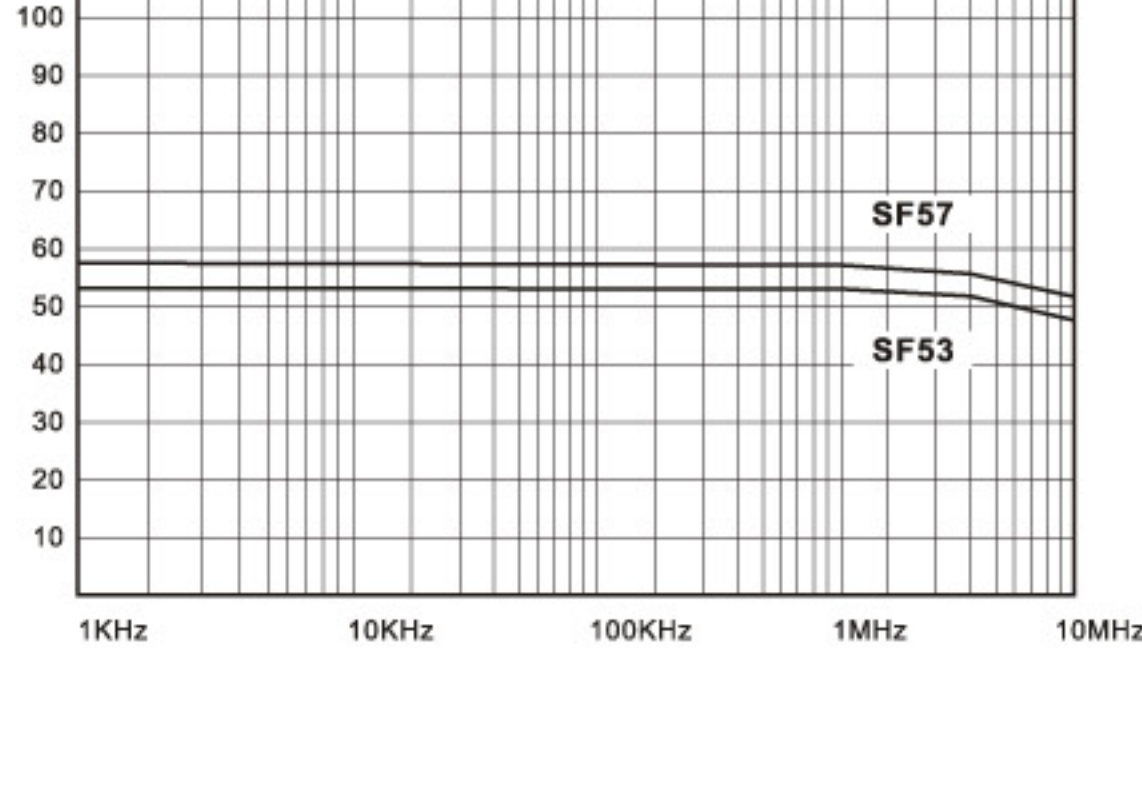


Curie Materials	Initial Permeability μ_i	Permeability with DC bias Hdc=50 oersted @ 10KHz
SF53	55	44(76%)
# SF57	57	43(75%)

Super Flux Core Series are made of special high purity iron-alloyed powders which show much lower core loss than any iron powder cores but a little higher than Kool M μ cores (sendust cores). Although MPP cores have very low core loss, they have only flux of 7800 Gauss (Bs) which restricts MPP cores for high current applications. Besides, MPP cores are only good up to 300 KHz frequency, if you meet applications for high current or high frequency up to 1MHz, Please select Super Flux Core Series.

Most important **Super Flux Core Series** are much inexpensive than Kool M μ cores and MPP cores. In addition, **Super Flux Core Series** are available to be formed with any types and sizes.

※**SF57** is designed to be **thermal-aging free** up to 320°C



1. Magnetic Tolerance

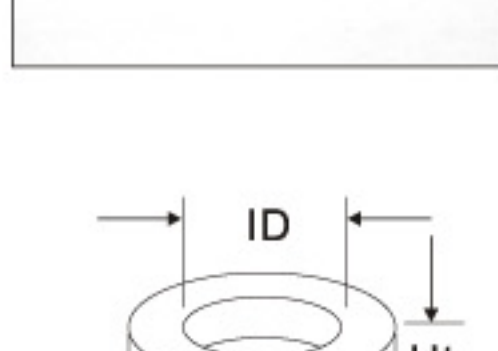
A_L tolerance±8% for cores larger than T80, and±10% for smaller than T80(including T80), tested at peak AC flux density of 10 gauss at 10KHz.

2. Temperature

The maximum operating temperature is 150°C

3. Finish Coating

The cores are coated with epoxy resin with minimum 500 VAC breakdown.



Toroids	OD	ID	HT
T20	±0.25	±0.25	±0.25
T25-T38	±0.38	±0.38	±0.38
T44-T72	±0.50	±0.50	±0.50
T80-T141	±0.50	±0.50	±0.63
T150-T250	±0.63	±0.63	±0.75



CURIE PART NO.	OD in/mm	ID in/mm	Ht in/mm	A _L (nH/N ²)				
				-75	-75H	-55	-60	-35
T20	0.200/5.08	0.088/2.24	0.070/1.78	18.5	17.5	13.0	16.0	7.8
T25	0.255/6.48	0.120/3.05	0.096/2.44	24.5	23.0	17.0	20.5	10.0
T26	0.265/6.73	0.105/2.67	0.190/4.83	57.0	56.0	41.5	45.0	24.0
T30	0.307/7.80	0.151/3.84	0.128/3.25	33.5	30.5	22.0	28.0	14.0
T37	0.375/9.53	0.205/5.21	0.128/3.25	28.5	26.0	19.0	24.5	12.0
T38	0.375/9.53	0.175/4.45	0.190/4.83	49.0	49.0	36.0	41.5	20.0
T44	0.440/11.2	0.229/5.82	0.159/4.04	37.0	35.0	25.5	31.0	18.0
T44D	0.440/11.2	0.229/5.82	0.338/8.59	72.0	70.0	51.5	56.0	33.0
T50	0.500/12.7	0.303/7.70	0.190/4.83	33.0	33.0	24.0	29.5	17.5
T50B	0.500/12.7	0.303/7.70	0.250/6.35	43.5	43.5	32.0	38.5	23.0
T50C	0.500/12.7	0.303/7.70	0.335/8.51	61.0	59.0	43.0	47.0	28.3
T50D	0.500/12.7	0.303/7.70	0.375/9.53	72.0	66.0	48.5	59.0	31.0
T51C	0.500/12.7	0.200/5.08	0.250/6.35	83.0	75.0	55.0	67.0	37.0
T60	0.600/15.2	0.366/8.53	0.234/5.94	50.0	47.0	34.5	41.5	19.0
T60D	0.600/15.2	0.336/8.53	0.470/11.9	97.0	94.0	69.0	75.0	44.0
T68	0.690/17.5	0.370/9.40	0.190/4.83	43.5	40.0	29.0	35.0	19.5
T68A	0.690/17.5	0.370/9.40	0.250/6.35	58.0	54.0	39.5	47.0	26.0
T68D	0.690/17.5	0.370/9.40	0.375/9.53	87.0	80.0	59.0	70.0	38.0

CURIE PART NO.	OD in/mm	ID in/mm	Ht in/mm	A _L (nH/N ²)				
				-75	-75H	-55	-60	-35
T72	0.720/18.3	0.280/7.11	0.260/6.60	90.0	82.0	60.0	71.0	36.0
T80	0.795/20.2	0.495/12.6	0.250/6.35	46.0	42.0	31.0	39.5	18.0
T80B	0.795/20.2	0.495/12.6	0.375/9.53	71.0	63.0	46.5	59.0	29.5
T80D	0.795/20.2	0.495/12.6	0.500/12.7	92.0	83.0	61.0	79.0	39.0
T90	0.900/22.9	0.550/14.0	0.375/9.53	70.0	64.0	47.0	57.0	30.0
T94	0.942/23.9	0.560/14.2	0.312/7.92	60.0	57.0	42.0	49.0	25.0
T106	1.060/26.9	0.570/14.5	0.437/11.1	93.0	95.0	70.0	81.0	45.0
T106A	1.060/26.9	0.570/14.5	0.312/7.92	67.0	67.0	49.0	58.0	31.5
T106B	1.060/26.9	0.570/14.5	0.575/14.6	124.0	124.0	91.0	106.0	58.0
T124	1.245/31.6	0.710/18.0	0.280/7.11	58.0	56.0	41.0	45.0	26.0
T130	1.300/33.0	0.780/19.8	0.437/11.1	81.0	79.0	58.0	69.0	35.0
T130A	1.300/33.0	0.780/19.8	0.225/5.72	41.0	41.0	30.0	34.0	19.0
T131	1.300/33.0	0.640/16.3	0.437/11.1	116.0	108.0	79.0	93.0	52.5
T132	1.300/33.0	0.700/17.8	0.437/11.1	103.0	95.0	70.0	83.0	44.5
T141	1.415/35.9	0.880/22.4	0.412/10.5	75.0	69.0	51.0	60.0	32.0
T150	1.510/38.4	0.845/21.5	0.437/11.1	96.0	89.0	65.0	78.0	41.5
T150A	1.510/38.4	0.845/21.5	0.325/8.26	66.0	66.0	48.5	53.0	31.0
T157	1.570/39.9	0.950/24.1	0.570/14.5	100.0	99.0	73.0	86.0	42.0
T175	1.750/44.5	1.070/27.2	0.650/16.5	105.0	105.0	82.0	90.0	49.0
T184	1.840/46.7	0.950/24.1	0.710/18.0	169.0	159.0	116.0	143.0	72.0
T200	2.000/50.8	1.250/31.8	0.550/14.0	92.0	92.0	67.0	79.0	42.5
T200B	2.000/50.8	1.250/31.8	1.000/25.4	160.0	155.0	120.0	142.0	78.5
T201	2.000/50.8	0.950/24.1	0.875/22.2	224.0	224.0	164.0	194.0	105.0
T224C	2.250/57.2	1.250/31.8	0.750/19.1	155.0	155.0	114.0	124.0	72.0
T225	2.250/57.2	1.405/35.7	0.550/14.0	98.0	92.0	67.0	78.0	42.5
T225B	2.250/57.2	1.405/35.7	1.000/25.4	160.0	155.0	114.0	124.0	72.0
T249	2.500/63.5	1.405/35.7	1.000/25.4	203.0	203.0	149.0	162.0	95.0
T250	2.500/63.5	1.250/31.8	1.000/25.4	242.0	242.0	177.0	194.0	113.0

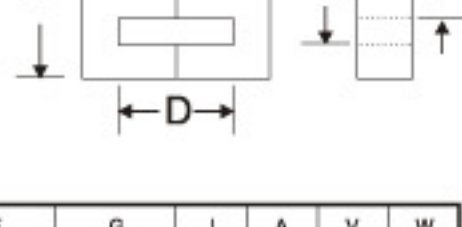
1. Magnetic Tolerance

A_L tolerance±8%, tested at peak AC flux density of 10 gauss at 10 KHz.

2. Temperature

The maximum operating temperature is 150°C

E CORE	A	B	C	D	F	G
E75-E118	±0.25	±0.25	±0.12	±0.12	±0.12	±0.17
E125-E162	±0.38	±0.38	±0.17	±0.25	±0.17	±0.25
E168-E225	±0.38	±0.38	±0.25	±0.25	±0.17	±0.25



CURIE PART NO.	AL (nH/N ²)	A in/mm	B in/mm	C in/mm	D in/mm	F in/mm	G in/mm	I cm	A cm ²	V cm ³	W g
E75-35	33.5	0.750/19.1	0.635/16.1	0.187/4.75	0.455/11.6	0.187/4.75	0.562/14.3	4.20	0.226	0.936	0.551
E75-75	64										
E75-60	55										
E75-75H	59										
E100-35	45	1.000/25.4	0.750/19.1	0.250/6.35	0.500/12.7	0.250/6.35	0.750/19.1	5.08	0.403	2.05	0.806
E100-55	68										
E100-75	92										
E100-60	81										
E100-75H	85										
E118-75	90	1.185/30.1	1.185/30.1	0.278/7.06	0.782/19.9	0.278/7.06	0.782/19.9	7.14	0.498	4.60	1.27
E118-60	80										
E118-75H	90										
E137-35	67	1.375/34.9	1.145/29.1	0.375/9.53	0.770/19.6	0.375/9.53	1.000/25.4	7.40	0.907	6.72	1.55
E137-55	100										
E137-75	134										
E137-60	113										
E137-75H	131										
E162-35	121	1.625/41.3	1.342/34.1	0.500/12.7	0.842/21.4	0.500/12.7	1.125/28.6	8.41	1.61	13.6	1.70
E162-55	149										
E162-75	210										
E162-60	175										
E162-75H	199										
E168-35	97	1.685/42.8	1.660/42.2	0.590/15.0	1.210/30.7	0.475/12.0	1.210/30.7	10.4	1.81	18.5	2.87
E168-55	135										
E168-75	195										
E168-60	163										
E168-75H	179										
E168A-35	116	1.685/42.8	1.660/42.2	0.787/20.0	1.210/30.7	0.475/12.0	1.210/30.7	10.4	2.41	24.6	2.87
E168A-55	170										
E168A-75	232										
E168A-60	196										
E168A-75H	230										
E220-35	143	2.210/56.1	2.180/55.4	0.820/20.8	1.510/38.3	0.680/17.3	1.520/38.6	13.2	3.60	47.7	4.09
E220-55	196										
E220-75	275										
E220-60	240										
E220-75H	262										
E225-35	173	2.240/56.9	1.875/47.6	0.745/18.9	1.140/29.0	0.745/18.9	1.500/38.1	11.5	3.58	40.8	2.78
E225-55	240										
E225-75	325										
E225-60	290										
E225-75H	325										