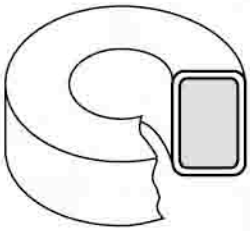

CORNERS:
0.063 Approx. Radius (Typical)

Dimensions

	Outside Diameter	Inside Diameter	Height
Before Coating Nominal	1.060 in 26.92 mm	0.580 in 14.73 mm	0.520 in 13.21 mm
After Coating (Blue Epoxy)	1.090 in Max. 27.69 mm Max.	0.555 in Min. 14.10 mm Min.	0.555 in Max. 14.10 mm Max.

Physical Specifications

Effective Cross Sectional Area of Magnetic Path, A_e (Reference)	Effective Magnetic Path Length, l_e (Reference)	Effective Core Volume, V_e (Reference)	Minimum Window Area (Reference)	Approximate Weight of Finished 125µ Core		Approximate Mean Length of Turn for Full Winding (Half of I.D. Remaining)
0.1214 in² 0.783 cm²	2.501 in 6.352 cm	0.3037 in³ 4.977 cm³	0.2419 in² 1.5608 cm² 308,025 cmil	MPP HF SMSS	43.148g — 52.000g	1.98 in 5.01 cm

Electrical Specifications

Nominal Permeability	Inductance Factor, mH +/- 8% for 1000 turns	Approximate Ratio of DC Resistance to Inductance for Full Winding (Half of I.D. Remaining), Ω/mH	Part Numbers			
			Molypermalloy		HI-FLUX	SUPER-MSS
			NEW	OLD		
14µ	21.7	0.555	MP-108014-2	A-108014-2	HF-108014-2	MS-108014-2
26µ	40.3	0.299	MP-108026-2	A-108026-2	HF-108026-2	MS-108026-2
60µ	93	0.130	MP-108060-2	A-108060-2	HF-108060-2	MS-108060-2
75µ	116.3	0.104	MP-108075-2	A-108075-2	—	MS-108075-2
90µ	139.5	0.086	—	—	—	MS-108090-2
125µ	193.8	0.062	MP-108125-2	A-108125-2	HF-108125-2	MS-108125-2
147µ	227.9	0.053	MP-108147-2	A-108147-2	HF-108147-2	*MS-108147-2
160µ	248	0.049	MP-108160-2	A-108160-2	HF-108160-2	—
173µ	268.2	0.045	MP-108173-2	A-108173-2	—	—
205µ	310	0.039	MP-108200-2	A-108200-2	—	—
250µ	387.5	0.031	MP-108250-2	A-108250-2	—	—
300µ	465	0.026	MP-108300-2	A-108300-2	—	—

Heavy Film Magnet Wire Winding Data (Approximate)

AWG	mm	Full Winding (Half of I.D. Remaining)		Single Layer Winding		
		Turns	R_{dc}, Ω	Turns	R_{dc}, Ω	l_w, ft.
12	2.000	24	0.0062	16	0.00402	2.53
13	1.800	30	0.0098	18	0.00563	2.81
14	1.600	37	0.0152	20	0.00784	3.11
15	1.400	46	0.0241	23	0.01104	3.47
16	1.250	57	0.0380	26	0.01553	3.86
17	1.120	72	0.0596	29	0.02170	4.30
18	1.000	89	0.0941	33	0.0306	4.78
19	0.900	111	0.148	37	0.0429	5.33
20	0.800	139	0.231	42	0.0597	5.92
21	0.710	173	0.364	47	0.0844	6.59
22	0.630	216	0.576	53	0.1190	7.35
23	0.560	266	0.890	59	0.165	8.14
24	0.500	331	1.400	66	0.233	9.05
25	0.450	414	2.21	74	0.327	10.10
26	0.400	514	3.47	83	0.461	11.24

AWG	mm	Full Winding (Half of I.D. Remaining)		Single Layer Winding		
		Turns	R_{dc}, Ω	Turns	R_{dc}, Ω	l_w, ft.
27	0.355	633	5.35	93	0.640	12.46
28	0.315	788	8.47	104	0.906	13.88
29	0.280	961	12.85	115	1.244	15.32
30	0.250	1204	20.6	129	1.78	17.09
31	0.224	1462	31.5	142	2.46	18.82
32	0.200	1775	47.3	157	3.36	20.72
33	0.180	2202	74.7	175	4.75	23.05
34	0.160	2801	120.4	198	6.78	25.98
35	0.140	3475	189	221	9.57	28.92
36	0.125	4295	293	246	13.3	32.11
37	0.112	5260	443	272	18.2	35.47
38	0.100	6554	699	305	25.7	39.62
39	0.090	8453	1179	346	38.0	44.87
40	0.080	10655	1894	389	54.5	50.46

Remarks: *= New part no.