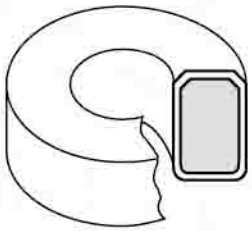

CORNERS:
0.031 Approx. Radius Bottom, Chamfer Top

Dimensions

	Outside Diameter	Inside Diameter	Height
Before Coating Nominal	0.500 in 12.70 mm	0.300 in 7.62 mm	0.187 in 4.75 mm
After Coating (Blue Epoxy)	0.530 in Max. 13.46 mm Max.	0.275 in Min. 6.99 mm Min.	0.217 in Max. 5.51 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)
0.01767 in² 0.1140 cm²	1.229 in 3.124 cm	0.02172 in³ 0.35568 cm³	0.05940 in² 0.38320 cm² 75,625 cmil	MP HF SMSS	3.035g 2.900g 2.300g	0.67 in 1.71 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	6.4	3.1	MP-050014-2	A-053006-2	HF-050014-2	MS-050014-2
26µ	12	1.6	MP-050026-2	A-052012-2	HF-050026-2	MS-050026-2
60µ	27	0.70	MP-050060-2	A-051027-2	HF-050060-2	MS-050060-2
75µ	34	0.56	—	—	—	MS-050075-2
90µ	40	0.47	—	—	—	MS-050090-2
100µ	45	0.42	MP-050100-2	A-261045-2	—	—
125µ	56	0.34	MP-050125-2	A-050056-2	HF-050125-2	MS-050125-2
147µ	67	0.26	MP-050147-2	A-143067-2	HF-050147-2	*MS-050147-2
160µ	72	0.25	MP-050160-2	A-301072-2	HF-050160-2	—
173µ	79	0.24	MP-050173-2	A-172079-2	—	—
205µ	93	0.20	MP-050205-2	A-204093-2	—	—
250µ	112	0.17	MP-050250-2	A-368112-2	—	—
300µ	134	0.14	MP-050300-2	A-390134-2	—	—
350µ	157	0.12	MP-050350-2	A-412157-2	—	—

Heavy Film Magnet Wire Winding Data (Approximate)

AWG	mm	Full Winding (Half of I.D. Remaining)		Single Layer Winding with 1 inch Leads		
		Turns	R_{dc}, Ω	Turns	R_{dc}, Ω	l_w, in.
15	1.400	12	0.00248	10	0.00271	10
16	1.250	15	0.00389	11	0.00376	11
17	1.120	19	0.00603	13	0.00520	12
18	1.000	23	0.00942	15	0.00722	14
19	0.900	29	0.01462	17	0.0100	15
20	0.800	36	0.0226	19	0.0139	16
21	0.710	45	0.0352	22	0.0193	18
22	0.630	57	0.0552	25	0.0270	20
23	0.560	70	0.0847	28	0.0371	22
24	0.500	87	0.1322	31	0.0518	24
25	0.450	108	0.205	35	0.0723	27
26	0.400	135	0.322	40	0.101	30
27	0.355	167	0.495	45	0.140	33
28	0.315	209	0.779	50	0.197	36
29	0.280	257	1.180	56	0.269	40
30	0.250	322	1.880	63	0.381	44
31	0.224	401	2.93	69	0.527	48
32	0.200	491	4.42	77	0.716	53
33	0.180	615	6.99	86	1.01	59
34	0.160	771	11.09	97	1.44	66
35	0.140	967	17.51	108	2.02	73
36	0.125	1205	27.3	121	2.80	81
37	0.112	1488	41.4	134	3.81	89
38	0.100	1883	66.1	150	5.38	100
39	0.090	2460	112.4	170	7.93	113
40	0.080	3005	174.7	192	11.3	126
41	0.070	3754	267.0	213	15.4	140
42	0.063	4822	429.0	240	21.7	157
43	0.056	5953	683.0	265	30.9	173
44	0.050	6943	962.0	285	40.1	186

Remarks: *= New part no.