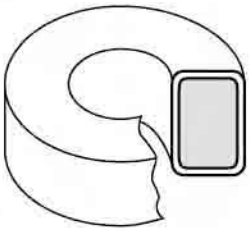

CORNERS:
0.031 Approx. Radius (Typical)

Dimensions

	Outside Diameter	Inside Diameter	Height
Before Coating Nominal	0.800 in 20.32 mm	0.500 in 12.70 mm	0.250 in 6.35 mm
After Coating (Blue Epoxy)	0.830 in Max. 21.08 mm Max.	0.475 in Min. 12.07 mm Min.	0.280 in Max. 7.11 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)
0.035 in² 0.226 cm²	2.010 in 5.093 cm	0.07035 in³ 1.1510 cm³	0.1772 in² 1.1433 cm² 225,625 cmil	MPP HF SMSS	10.100g 10.100g 7.400g	0.90 in 2.29 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	7.8	1.1	MP-080014-2	A-057008-2	HF-080014-2	MS-080014-2
26µ	14	0.60	MP-080026-2	A-511014-2	HF-080026-2	MS-080026-2
60µ	32	0.26	MP-080060-2	A-848032-2	HF-080060-2	MS-080060-2
75µ	41	0.21	—	—	—	MS-080075-2
90µ	49	0.17	—	—	—	MS-080090-2
125µ	68	0.12	MP-080125-2	A-206068-2	HF-080125-2	MS-080125-2
147µ	81	0.10	MP-080147-2	A-144081-2	HF-080147-2	*MS-080147-2
150µ	83	0.10	MP-080150-2	A-241083-2	—	—
160µ	87	0.096	MP-080160-2	A-271087-2	HF-080160-2	—
173µ	96	0.088	MP-080173-2	A-173096-2	—	—
205µ	113	0.074	MP-080205-2	A-207113-2	—	—
250µ	136	0.062	MP-080250-2	A-371136-2	—	—
300µ	163	0.052	MP-080300-2	A-393163-2	—	—

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	18	0.00254	13	0.00221	1.39
13	1.800	22	0.00395	15	0.00307	1.53
14	1.600	28	0.00614	17	0.00424	1.68
15	1.400	34	0.00954	19	0.00590	1.85
16	1.250	43	0.01488	22	0.00822	2.04
17	1.112	54	0.0230	25	0.0114	2.26
18	1.000	67	0.0358	28	0.0159	2.49
19	0.900	84	0.0556	32	0.0222	2.75
20	0.800	104	0.0860	35	0.0308	3.04
21	0.710	130	0.1337	40	0.0430	3.36
22	0.630	163	0.210	45	0.0604	3.73
23	0.560	201	0.323	50	0.0834	4.11
24	0.500	251	0.504	56	0.117	4.55
25	0.450	312	0.784	63	0.164	5.05
26	0.400	389	1.230	71	0.230	5.60

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	481	1.894	79	0.318	6.18
28	0.315	602	2.99	89	0.448	6.87
29	0.280	738	4.53	98	0.614	7.56
30	0.250	927	7.23	110	0.872	8.41
31	0.224	1154	11.29	122	1.21	9.24
32	0.200	1412	17.04	134	1.64	10.2
33	0.180	1768	27.0	150	2.32	11.3
34	0.160	2218	42.8	169	3.31	12.7
35	0.140	2779	67.7	189	4.66	14.1
36	0.125	3466	105.5	210	6.48	15.6
37	0.112	4279	160.4	233	8.82	17.2
38	0.100	5415	256.0	261	12.5	19.2
39	0.090	7073	436.0	296	18.4	21.7
40	0.080	8641	678.0	333	26.4	24.4
41	0.070	10793	1036.0	370	35.9	27.1

Remarks: *= New part no.