



**CORNERS:**  
0.094 Approx.  
Radius (Typical)

**Dimensions**

	Outside Diameter	Inside Diameter	Height
Before Coating Nominal	2.250 in 57.15 mm	1.039 in 26.39 mm	0.600 in 15.24 mm
After Coating (Blue Epoxy)	2.285 in Max. 58.04 mm Max.	1.007 in Min. 25.58 mm Min.	0.635 in Max. 16.13 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 125 $\mu$ Core	Approximate Mean Length of Turn for Full Winding (Half of I.D. Remaining)
0.3545 in <sup>2</sup> 2.2871 cm <sup>2</sup>	4.924 in 12.506 cm	1.745 in <sup>3</sup> 28.603 cm <sup>3</sup>	0.7964 in <sup>2</sup> 5.1383 cm <sup>2</sup> 1,014,049 cmil	MPP HF SMSS	236.000g 216.000g 172.000g
					3.23 in 8.20 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), $\Omega$ /mH	Part Numbers			
			Molypermalloy	HI-FLUX	SUPER-MSS	
14 $\mu$	32	0.19	NEW MP-226014-2	OLD A-710032-2	HF-226014-2	MS-226014-2
26 $\mu$	60	0.10	MP-226026-2	A-711060-2	HF-226026-2	MS-226026-2
60 $\mu$	138	0.043	MP-226060-2	A-712138-2	HF-226060-2	MS-226060-2
75 $\mu$	172	0.035	—	—	—	MS-226075-2
90 $\mu$	207	0.029	—	—	—	MS-226090-2
125 $\mu$	287	0.021	MP-226125-2	A-713287-2	HF-226125-2	MS-226125-2
147 $\mu$	338	0.018	MP-226147-2	A-714338-2	HF-226147-2	—
160 $\mu$	368	0.016	MP-226160-2	A-716368-2	HF-226160-2	—
173 $\mu$	398	0.015	MP-226173-2	A-717398-2	—	—
200 $\mu$	460	0.013	MP-226200-2	A-718460-2	—	—

**Heavy Film Magnet Wire Winding Data (Approximate)**

AWG	mm	Full Winding (Half of I.D. Remaining)		Single Layer Winding		
		Turns	$R_{dc}$ , $\Omega$	Turns	$R_{dc}$ , $\Omega$	$l_w$ , ft.
10	2.500	42	0.0113	24	0.00560	5.61
11	2.240	48	0.0163	27	0.00788	6.25
12	2.000	77	0.0330	31	0.0111	6.97
13	1.800	97	0.0522	35	0.0156	7.77
14	1.600	121	0.0821	39	0.0217	8.60
15	1.400	151	0.129	44	0.0305	9.60
16	1.250	189	0.205	49	0.0430	10.7
17	1.120	236	0.321	56	0.0602	11.9
18	1.000	295	0.507	62	0.0848	13.3
19	0.900	368	0.797	70	0.119	14.8
20	0.800	458	1.25	78	0.167	16.5
21	0.710	570	1.96	88	0.234	18.4
22	0.630	714	3.11	98	0.332	20.5
23	0.560	884	4.83	110	0.461	22.7
24	0.500	1102	7.62	123	0.649	25.3
25	0.450	1370	11.9	137	0.914	28.2
26	0.400	1710	18.9	154	1.29	31.5
27	0.355	2115	29.2	171	1.79	34.9

AWG	mm	Full Winding (Half of I.D. Remaining)		Single Layer Winding		
		Turns	$R_{dc}$ , $\Omega$	Turns	$R_{dc}$ , $\Omega$	$l_w$ , ft.
28	0.315	2643	46.5	191	2.54	38.9
29	0.280	3242	70.9	211	3.49	42.9
30	0.250	4073	114.0	236	4.97	47.9
31	0.224	5067	179.0	261	6.91	52.8
32	0.200	6202	270.0	288	9.42	58.1

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