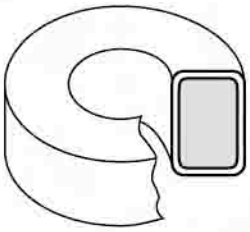
EN: This Datasheet/Document is presented by the manufacturer.

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CORNERS:
0.094 Approx. Radius (Typical)

Dimensions

	Outside Diameter	Inside Diameter	Height
Before Coating Nominal	1.570 in 39.88 mm	0.950 in 24.13 mm	0.570 in 14.48 mm
After Coating (Blue Epoxy)	1.602 in Max. 40.69 mm Max.	0.918 in Min. 23.32 mm Min.	0.605 in Max. 15.37 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)
0.1662 in² 1.072 cm²	3.877 in 9.848 cm	0.6449 in³ 10.5485 cm³	0.6619 in² 4.2702 cm² 842,724 cmil	MPP HF SMSS	87.000g 87.000g 65.000g	1.87 in 4.76 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	19	0.24	MP-157014-2	A-086019-2	HF-157014-2	MS-157014-2
26µ	35	0.13	MP-157026-2	A-085035-2	HF-157026-2	MS-157026-2
60µ	81	0.060	MP-157060-2	A-083081-2	HF-157060-2	MS-157060-2
75µ	101	0.045	—	—	—	MS-157075-2
90µ	121	0.038	—	—	—	MS-157090-2
125µ	168	0.027	MP-157125-2	A-254168-2	HF-157125-2	MS-157125-2
147µ	198	0.023	MP-157147-2	A-151198-2	HF-157147-2	MS-157147-2
160µ	215	0.021	MP-157160-2	A-306215-2	HF-157160-2	—
173µ	233	0.019	MP-157173-2	A-179233-2	—	—
205µ	276	0.016	MP-157205-2	A-214276-2	—	—

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.
10	2.500	—	—	22	0.00389	3.89
11	2.240	—	—	25	0.00545	4.32
12	2.000	65	0.01803	28	0.00762	4.80
13	1.800	81	0.0281	31	0.0107	5.33
14	1.600	101	0.0438	35	0.0148	5.88
15	1.400	126	0.0683	40	0.0208	6.55
16	1.250	158	0.1071	45	0.0292	7.27
17	1.120	197	0.1662	50	0.0408	8.08
18	1.000	247	0.260	57	0.0574	8.98
19	0.900	307	0.406	64	0.0804	9.99
20	0.800	383	0.632	71	0.112	11.1
21	0.710	477	0.986	80	0.158	12.4
22	0.630	597	1.557	90	0.223	13.8
23	0.560	739	2.40	100	0.309	15.2
24	0.500	921	3.77	112	0.435	16.9
25	0.450	1145	5.88	125	0.611	18.9
26	0.400	1429	9.26	140	0.862	21.0
27	0.355	1767	14.31	155	1.20	23.3

AWG	mm	Full Winding (Half of I.D. Remaining)		Single Layer Winding		
		Turns	R_{dc}, Ω	Turns	R_{dc}, Ω	l_w, ft.
28	0.315	2209	22.6	174	1.69	25.9
29	0.280	2710	34.4	192	2.32	28.6
30	0.250	3404	55.1	215	3.31	31.9
31	0.224	4234	86.3	238	4.60	35.1
32	0.200	5183	130.4	262	6.26	38.7
33	0.180	6491	207.0	292	8.85	43.0
34	0.160	8142	329.0	330	12.7	48.5
35	0.140	10202	521.0	368	17.8	54.0

Remarks: *= New part no.

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