MAGNETIC SENSOR SYSTEMS

Tubular Electromagnet

Series E-66-100

1" DIA X 0.66"

[25.4 mm X 16.8 mm]

TOTAL WEIGHT: 1.6 OUNCES [45 GR]

duty cycle	1 (100%)	1/2 (50%)	1/4 (25%)	1/10 (10%)
maximum "ON" time, (Sec.)	∞	500	150	40
watts	1.25	2.5	5	12.5
approximate ampere turns	210	300	420	660

AWG number	resistance (Ω)	volts DC	volts DC	volts DC	volts DC
24	0.7	0.9	1.3	1.9	3.0
25	1.2	1.2	1.7	2.5	3.9
26	2.0	1.5	2.2	3.1	4.9
27	3.0	1.9	2.7	3.8	6.0
28	5.0	2.5	3.6	5.0	8.0
29	7.3	3.0	4.2	6.0	9.4
30	12.2	3.9	5.5	7.7	12.2
31	18.8	4.8	6.7	9.5	15.0
32	29.0	6.0	8.5	12.0	19.0
33	47.1	7.7	10.8	15.3	24.2
34	75.5	9.9	13.9	19.7	31.2
35	121	12.4	18.0	24.8	39.2
36	184	15.4	21.8	30.8	48.7
37	295	19.1	27.0	38.2	60.4
38	450	24.0	33.9	48.0	75.8
39	790	31.8	48.0	63.6	101
40	1240	39.7	56.2	79.4	126
41	1855	48.3	68.3	96.6	153

HEAT SINK: For proper heat dissipation, body of electromagnet should be mounted on an equivalent of 1.5" x1.5" x 1/8" metal plate in an unrestricted flow of air.

6901 Woodley Avenue, Van Nuys, California 91406
Telephone: (818) 785-6244 Fax: (818) 785-5713
www.solenoidcity.com

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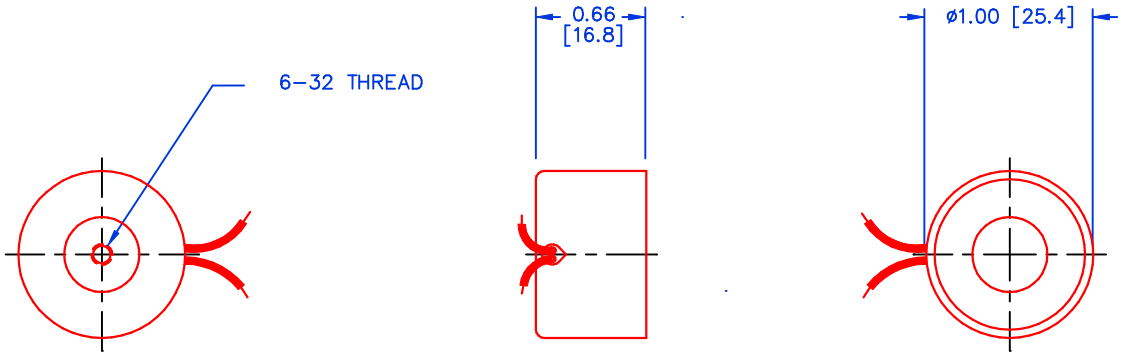
E–66–100 MECHANICAL DIMENSIONS



TOLERANCES: (UNLESS NOTED)
0.XXX: ±0.005
0.XX : ±0.010
X/X: ±1/64
COIL RESISTANCE: ±10%
DIMENSIONS IN INCHES [mm]

TYPICAL HOLD FORCE VERSUS INPUT POWER