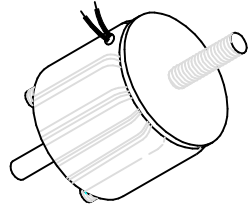


MAGNETIC SENSOR SYSTEMS

Tubular Low Profile Clapper Solenoid



Series S-66-100
1.00" DIA X 0.66"
[25.4 mm X 16.8 mm]

TOTAL WEIGHT: 1.95 OUNCES [55 GR]

PLUNGER WEIGHT: 0.32 OUNCES [9 GR]

duty cycle	1 (100%)	1/2 (50%)	1/4 (25%)	1/10 (10%)
maximum "ON" time, (Sec.)	∞	50	20	5
watts	4	8	16	40
approximate ampere turns	365	515	730	1155

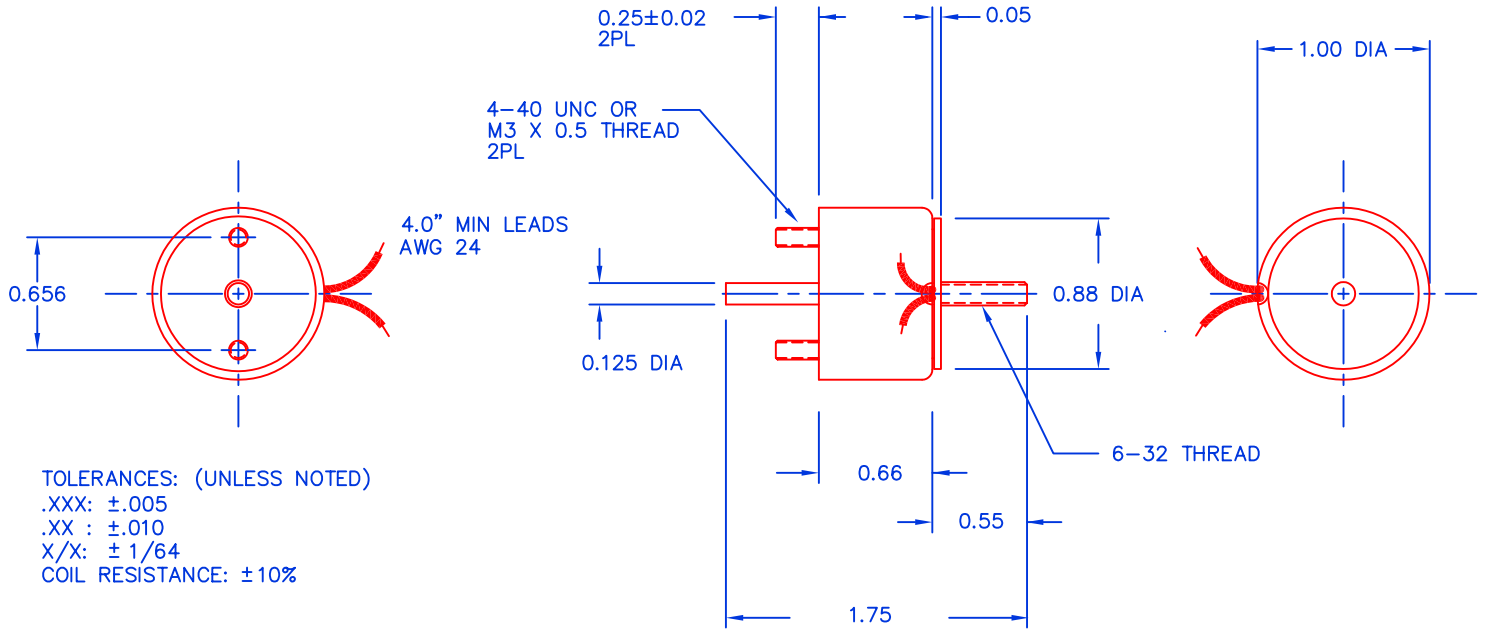
AWG number	resistance (Ω)	volts DC	volts DC	volts DC	volts DC
24	0.7	1.7	2.3	3.3	5.2
25	1.2	2.2	3.1	4.4	7.0
26	2.0	2.8	3.9	5.5	8.7
27	3.0	3.4	4.8	6.7	10.6
28	5.0	4.5	6.3	9.0	14.2
29	7.3	5.3	7.5	10.6	16.8
30	12.2	6.9	9.7	13.7	21.7
31	18.8	8.5	12.0	16.9	26.8
32	29.0	10.7	15.1	21.4	33.8
33	47.1	13.6	19.3	27.3	43.1
34	75.5	17.6	24.8	35.1	55.5
35	121	22.1	31.2	44.2	69.8
36	184	27.4	38.8	54.8	86.7
37	295	34.0	48.1	68.0	108
38	450	42.7	60.3	85.3	135
39	790	56.7	80.1	113	179
40	1240	70.7	100	141	224
41	1855	86.0	122	172	272

HEAT SINK: For proper heat dissipation, body of solenoid should be mounted on an equivalent of 4.0" x 4.0" x 1/8" aluminum plate in an unrestricted flow of air.

MAGNETIC SENSOR SYSTEMS

S-66-100

MECHANICAL DIMENSIONS



SOLENOID SHOWN ENERGIZED

TYPICAL PULL FORCE VERSUS STROKE

