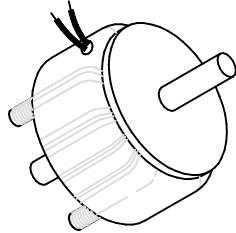


# MAGNETIC SENSOR SYSTEMS

## *Tubular Low Profile Clapper Solenoid*



**Series S-05-125**  
1.25" DIA X 0.50"

TOTAL WEIGHT: 2.34 OUNCES

PLUNGER WEIGHT: 0.48 OUNCES

duty cycle	1	1/2	1/4	1/10
maximum "ON" time, (Sec.)	∞	100	30	10
watts	4.5	9	18	45
approximate ampere turns	325	460	645	1025

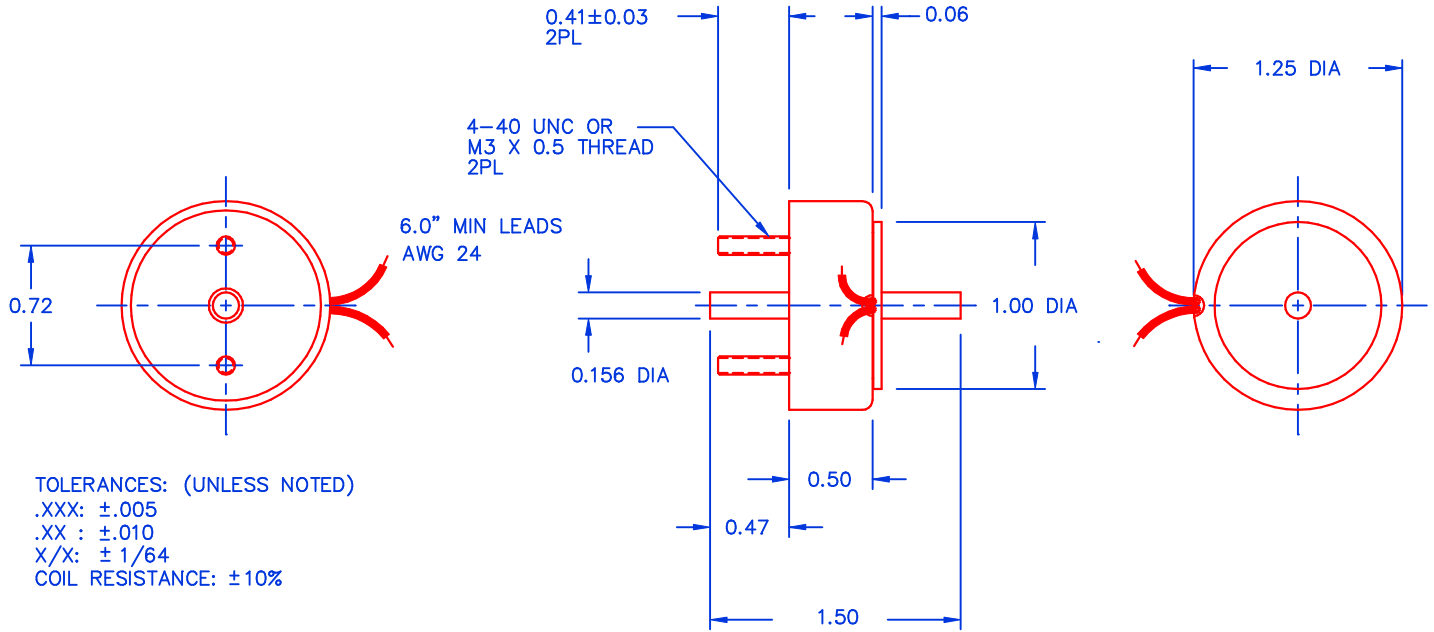
AWG number	resistance	volts DC	volts DC	volts DC	volts DC
24	0.8	1.8	2.6	3.6	5.7
25	1.3	2.3	3.2	4.5	7.1
26	1.9	2.9	4.1	5.8	9.2
27	3.0	3.6	5.1	7.2	11.4
28	4.7	4.6	6.5	9.1	14.5
29	7.3	5.7	8.1	11.4	18.1
30	11.9	7.3	10.4	14.6	23.2
31	18.9	9.3	13.1	18.4	29.2
32	28.4	11.4	16.2	22.7	36.1
33	46.0	14.5	20.6	28.9	45.9
34	72.3	18.4	26.1	36.6	58.1
35	117	23.3	33.0	46.3	73.6
36	193	29.3	41.5	58.1	92.4
37	337	39.8	56.3	79.0	126
38	434	45.7	64.7	90.8	144
39	756	59.8	84.6	119	189
40	1197	76.2	108	151	240
41	1912	92.5	131	184	292

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-05-125

## MECHANICAL DIMENSIONS



SOLENOID SHOWN ENERGIZED

## TYPICAL PULL FORCE VERSUS STROKE

