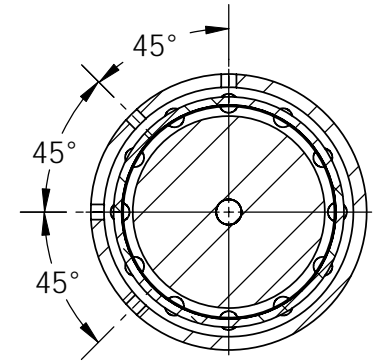


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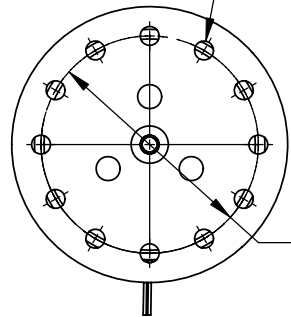


SECTION A-A

Permanent Magnet Assembly

M8XP1.25 (4 PI.)

12X  $\phi$  .394 [10.0] THRU ALL



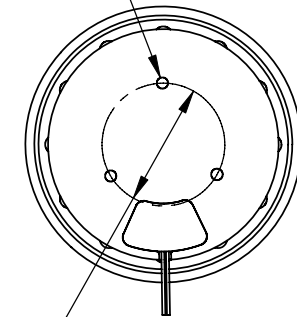
[115.0]  
 $\phi$  4.528

Power Leads (2)

3X  $\phi$  .197 THRU ALL  
M6X1.0 - 6H THRU ALL

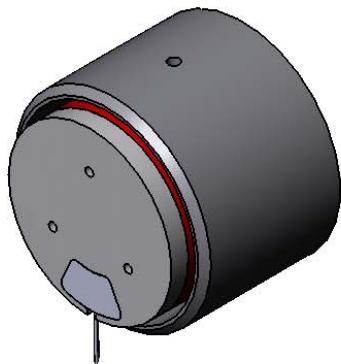
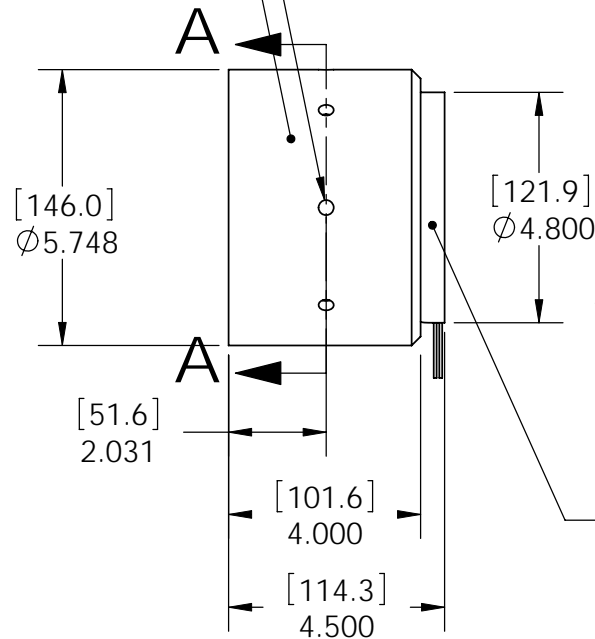
MOTION

Motion  
(Out of magnet assembly, when + connected to white, and - connected to black.)



[65.0]  
 $\phi$  2.559

Moving Coil  
(Shown fully retracted)



UNLESS SPECIFIED OTHERWISE:  
All dimensions are in inches  
Standard Tolerances are as follows  
.XXX ±.005 ANGLES ±1°  
XX ±.010 FILLETS .010  
X ±.020 CORNERS .010  
Remove All Burrs and Sharp Edges

MATERIAL

FINISH

DRAWN	DATE	APPROVED	DATE
JRM	5-10-07	MPW	5-10-07

TITLE

**H2W Technologies, Inc.**

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**Moving Coil Non-Comm Actuator  
Model# NCC03-57-500-2X**

DWG #	REV	SHEET
30-0577	A	1 of 2

<b>MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS</b>		
Motor P/N	NCC03-57-500-2X	
Stroke	0.31"	7.9 mm
Radial Clearance	0.200" per side	5.08 mm per side
Bearing Type	None Provided	
Moving Mass	5.0 lbs	2.3 kg
Total Mass	20 lbs	9.1 kg
Resistance @ 20C	19.0 ohms	
Inductance @ 20C	6.21 mH	
Electrical Time Constant	0.33 msec	
Motor Constant	5.55 LBS/SQRT(Watt)	24.7 N/SQRT(Watt)
Force Constant	24.1 LBS/Amp	107.2 N/Amp
Back EMF	2.72 V/ips	107.2 V/m/sec
Continuous Force	50 LBS	223 N
Max Power @ 100% Duty	81 Watts	
Peak Force	150 LBS	668 N
Max Power @ 10% Duty	730 Watts	

TITLE	<b>Moving Coil Non-Comm Actuator Model# NCC03-57-500-2X</b>	
DWG #	<b>30-0577</b>	REV <b>A</b>
		SHEET 2 of 2