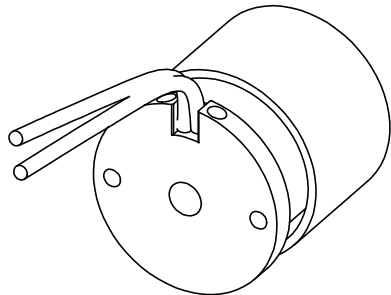
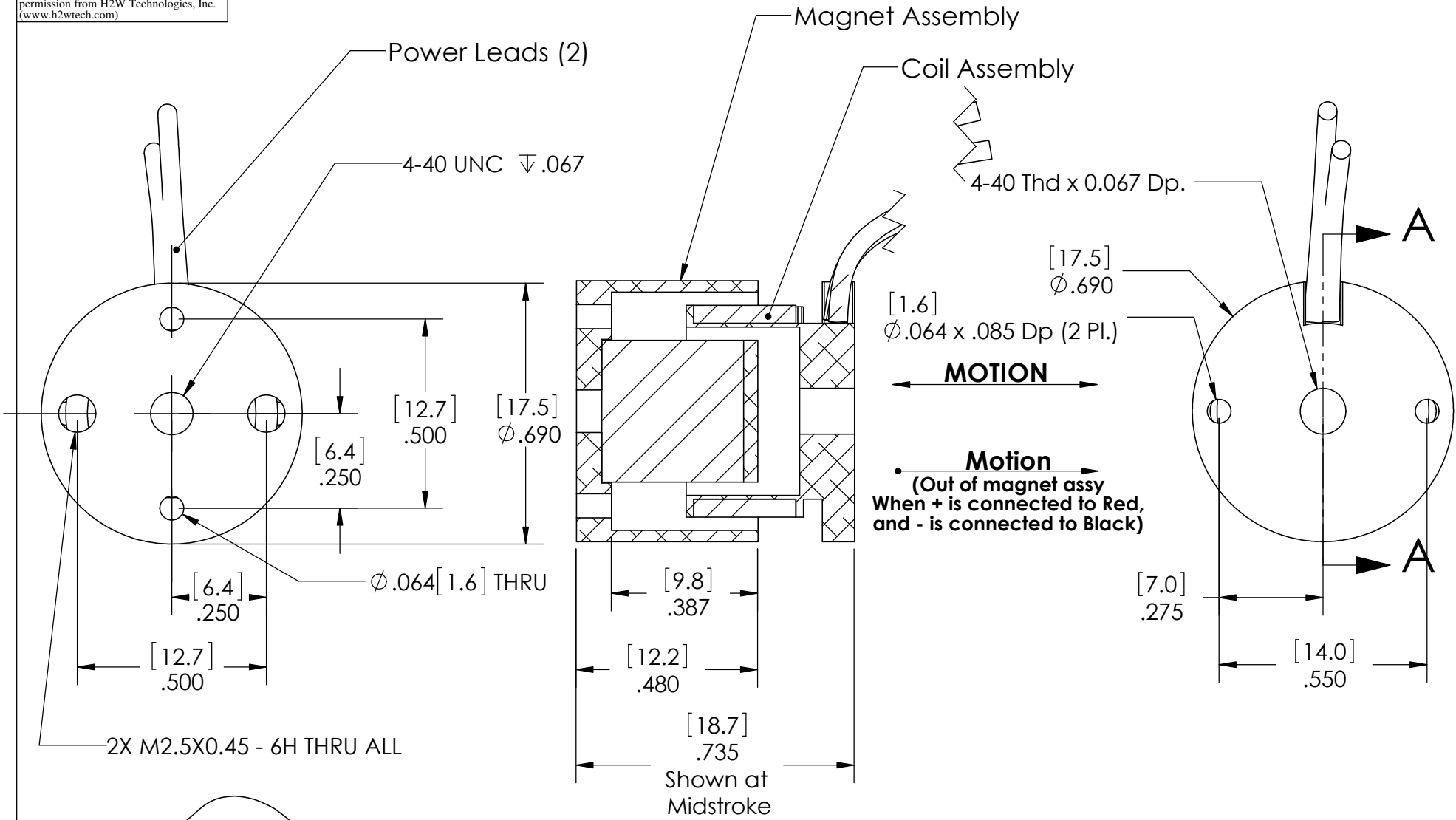


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SECTION A-A  
SCALE 2 : 0.75

**H2W Technologies, Inc.**

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<b>TITLE</b>		<b>Non-Comm Moving Coil Actuator Model# NCC02-07-001-1R</b>		
<b>DWG #</b>	<b>30-0850</b>	<b>REV</b>	<b>C</b>	<b>SHEET</b>
<b>1 of 2</b>				

<b>UNLESS SPECIFIED OTHERWISE:</b> All dimensions are in inches Standard Tolerances are as follows .XXX $\pm$ .005 ANGLES $\pm$ 1° .XX $\pm$ .010 FILLETS .010 .X $\pm$ .020 CORNERS .010 Remove All Burrs and Sharp Edges				<b>MATERIAL</b>	
<b>FINISH</b>		<b>DRAWN</b>		<b>DATE</b>	<b>APPROVED</b>
OOG	2-13-07	MPW	2-13-07		

<b>MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS</b>		
Motor P/N	NCC02-07-001-1R	
Stroke	0.20"	5.1 mm
Radial Clearance	0.035" per side	0.89 mm per side
Bearing Type	None Provided	
Moving Mass	0.25 oz	7 grams
Total Mass	0.74 oz	21 grams
Resistance @ 20C	2.1 ohms	
Inductance @ 20C	160 $\mu$ H	
Electrical Time Constant	76 $\mu$ sec	
Motor Constant	0.26 LBS/SQRT(Watt)	1.17 N/SQRT(Watt)
Force Constant	0.39 LBS/Amp	1.71 N/Amp
Back EMF	0.04 V/ips	1.71 V/m/sec
Continuous Force	0.26 LBS	1.16 N
Max Power @ 100% Duty	1 Watt	
Peak Force	0.78 LBS	3.50 N
Max Power @ 10% Duty	9 Watts	