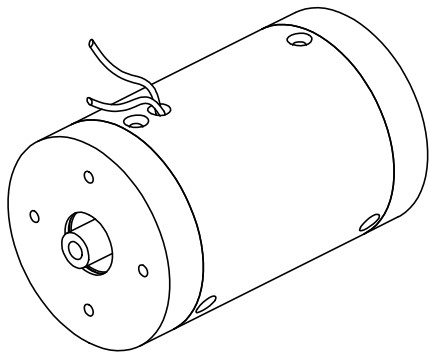
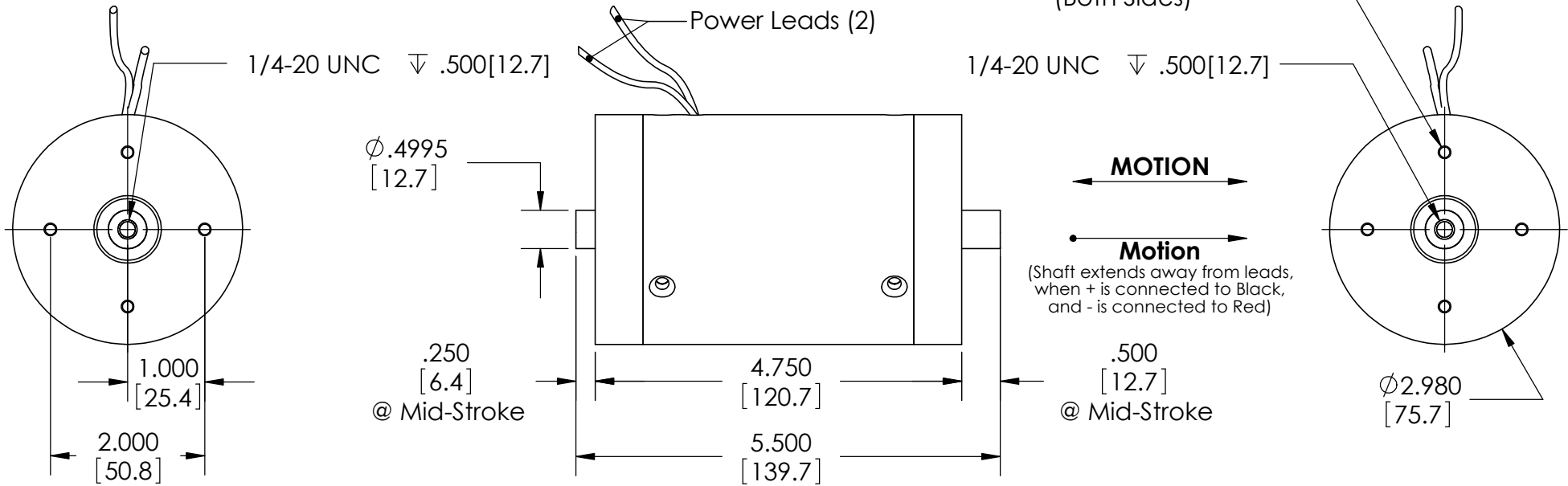


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UNLESS SPECIFIED OTHERWISE:  
 All dimensions are in inches  
 Standard Tolerances are as follows  
 .XXX  $\pm .005$  ANGLES  $\pm 1^\circ$   
 XX  $\pm .010$  FILLETS AND  
 X  $\pm .020$  CORNERS .010  
 Remove All Burrs and Sharp Edges

<b>RELEASED FOR MFG.</b>				<b>H2W Technologies, Inc.</b> 26470 Ruether Avenue #102 Santa Clarita, CA 91350 USA Tel: (661)251-2081 Fax: (661)251-2067 www.h2wtech.com		
DATE		02-10-05				
BY		<i>Andrew</i>				
MATERIAL				TITLE <b>Non-Comm Moving Magnet Actuator Model# NCM05-28-180-2LB</b>		
FINISH						
DRAWN	DATE	APPROVED	DATE	DWG #	REV	ECN
JRM	01-26-05	MPW	01-26-05	<b>30-0391</b>	<b>B</b>	<b>1326</b>

<b>MOVING MAGNET NON-COMM ACTUATOR SPECIFICATIONS</b>		
Motor P/N	NCM05-28-180-2LB	
Stroke	0.50"	12.7 mm
Radial Clearance	N/A in	N/A mm
Bearing Type	Linear Bushings	
Moving Mass	1.56 lbs	706 grams
Total Mass	5.38 lbs	2442 grams
Resistance @ 20C	10.2 ohms	
Inductance @ 20C	5.1 mH	
Electrical Time Constant	0.50 msec	
Motor Constant	2.71 LBS/SQRT(Watt)	12.1 N/SQRT(Watt)
Force Constant	8.7 LBS/Amp	38.6 N/Amp
Back EMF	1.0 V/ips	38.6 V/m/sec
Continuous Force	18 LBS	80 N
Max Power @ 100% Duty	44 Watts	
Peak Force	54 LBS	240 N
Max Power @ 10% Duty	397 Watts	