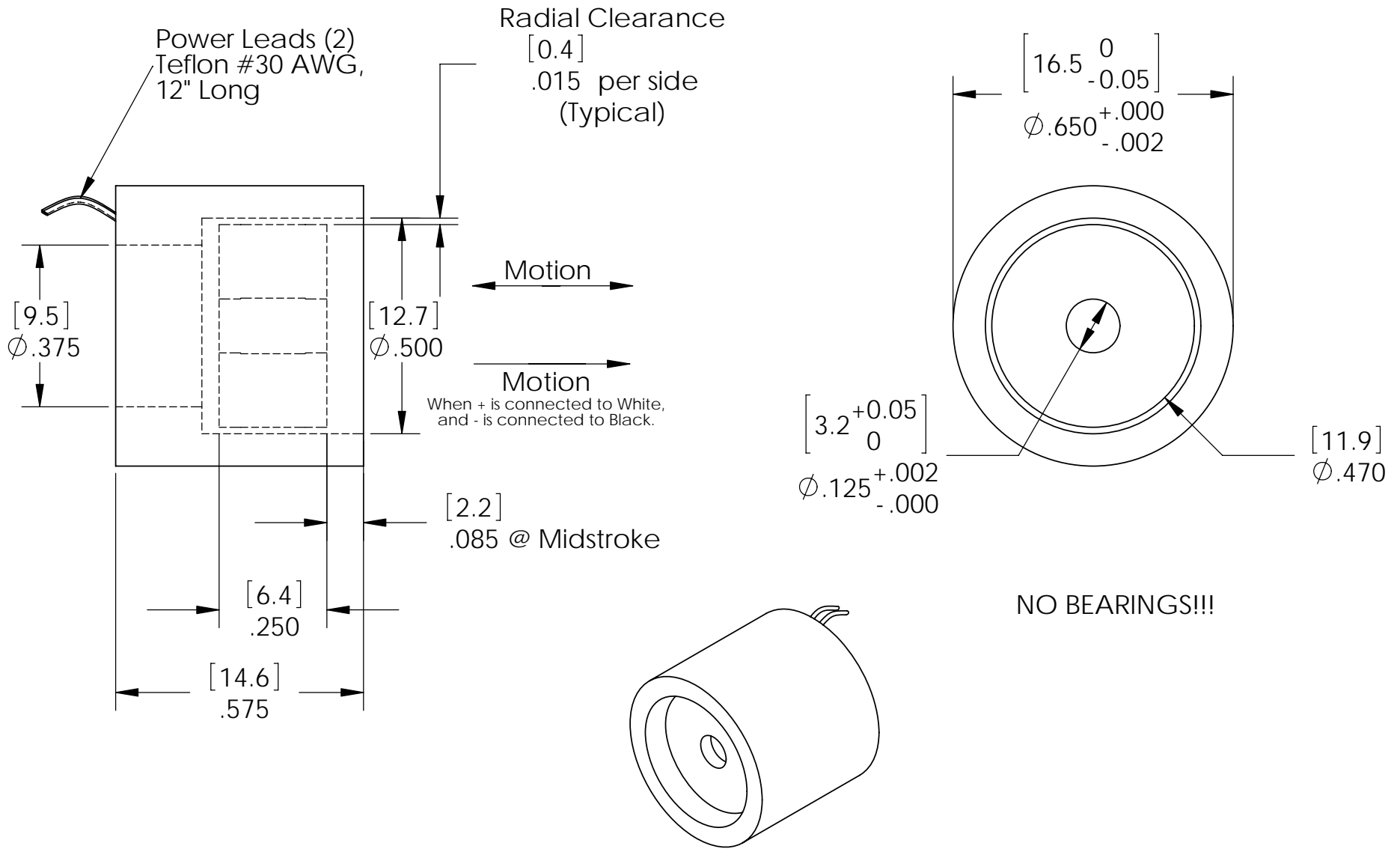


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**H2W Technologies, Inc.**

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

MATERIAL

FINISH

DRAWN  
JRM

DATE  
3-2-04

APPROVED  
MPW

DATE  
3-2-04

TITLE

Moving Magnet Non-Comm DC Linear Actuator  
Model # NCM01-07-004-2NH

DWG #

30-0278

REV

H

ECN

1414

<b>MOVING MAGNET NON-COMM ACTUATOR SPECIFICATIONS</b>		
Motor P/N	NCM01-07-004-2NH	
Stroke	0.08"	2.0 mm
Radial Clearance	0.015" per side	0.38 mm per side
Bearing Type	NONE	
Moving Mass	0.01 lbs	5 grams
Total Mass	0.04 lbs	16 grams
Resistance @ 20C	8.3 ohms	
Inductance @ 20C	0.3 mH	
Electrical Time Constant	0.04 msec	
Motor Constant	0.16 LBS/SQRT(Watt)	0.70 N/SQRT(Watt)
Force Constant	0.45 LBS/Amp	2.0 N/Amp
Back EMF	0.05 V/ips	2.0 V/m/sec
Continuous Force	0.3 LBS	1.3 N
Max Power @ 100% Duty	3 Watts	
Peak Force	0.9 LBS	4.0 N
Max Power @ 10% Duty	28 Watts	