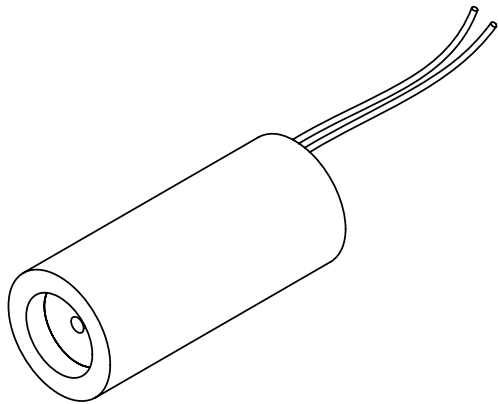
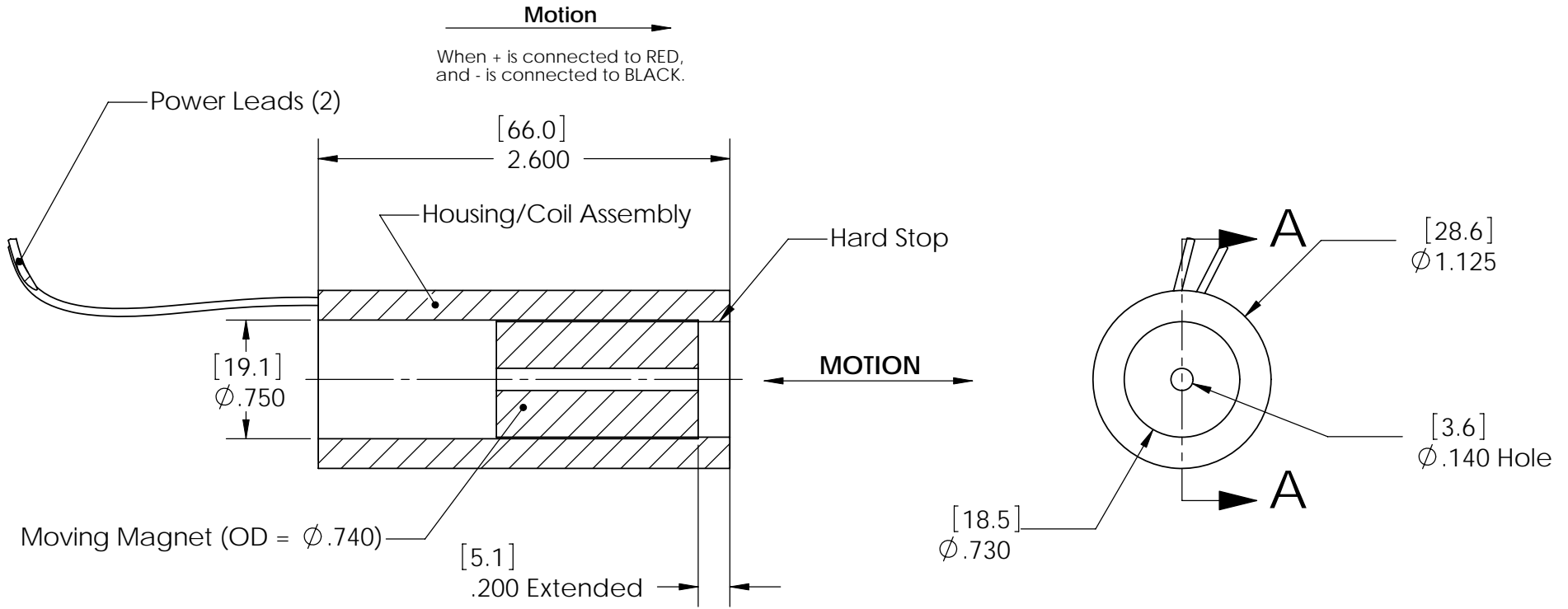


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NO INTERNAL BEARING SYSTEM

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 OOG	DATE 6-24-03	APPROVED MPW	DATE 6-24-03

TITLE Moving Magnet Non-Comm DC Linear Actuator Model# NCM09-11-010-2X			
DWG # 30-0218	REV A	Sheet 1 of 2	

MOVING MAGNET NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCM09-11-010-2X	
Stroke	0.93"	23.5 mm
Radial Clearance	0.005" per side	0.13 mm per side
Bearing Type	NONE	
Moving Mass	0.14 lbs	64 grams
Total Mass	0.29 lbs	132 grams
Resistance @ 20C	9.6 ohms	
Inductance @ 20C	3.8 mH	
Electrical Time Constant	0.40 msec	
Motor Constant	0.70 LBS/SQRT(Watt)	2.8 N/SQRT(Watt)
Force Constant	2.2 LBS/Amp	9.7 N/Amp
Back EMF	0.25 V/ips	9.7 V/m/sec
Continuous Force	1.0 LBS	4.5 N
Max Power @ 100% Duty	2 Watts	
Peak Force	3.0 LBS	13.4 N
Max Power @ 10% Duty	18 Watts	