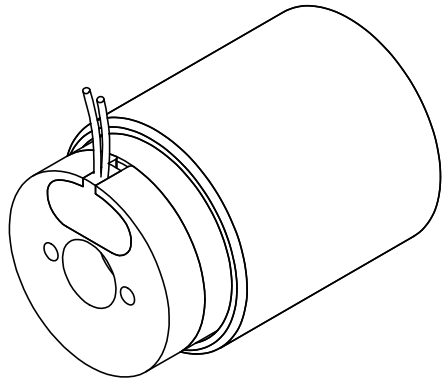
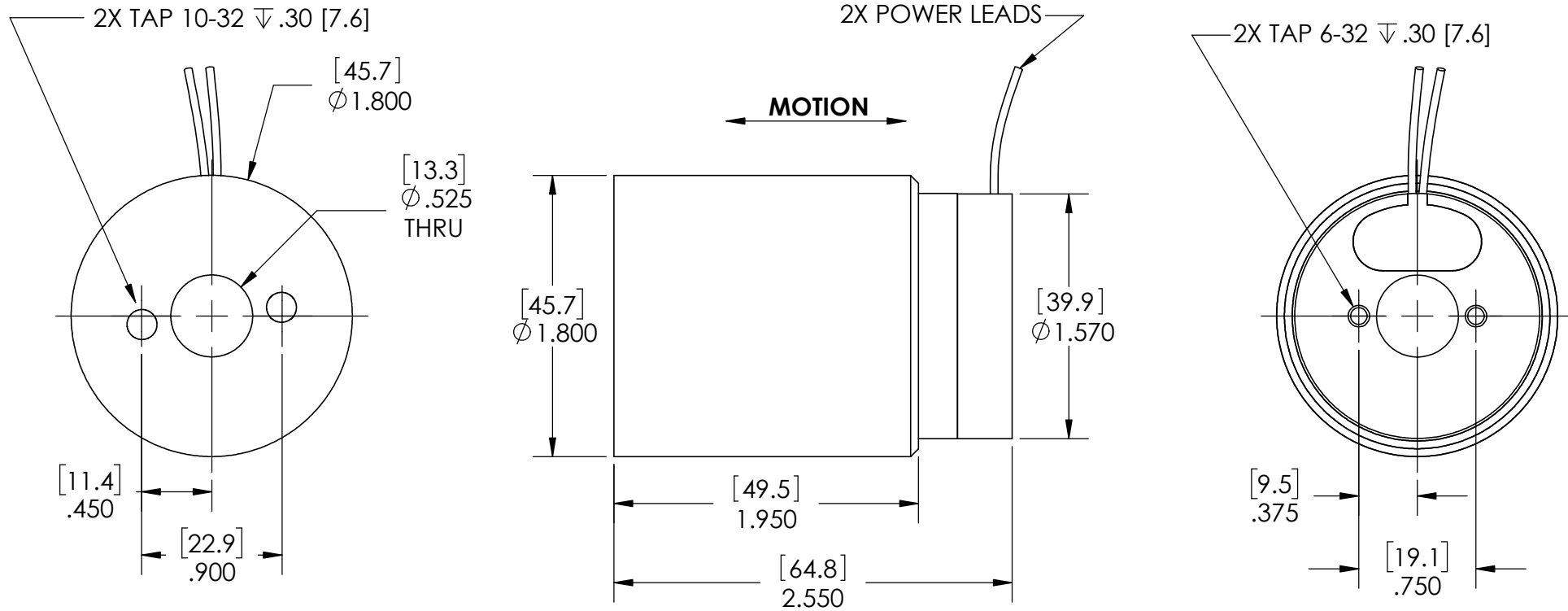


ACTUATOR SHOWN FULLY RETRACTED

REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
D	---	---	JRM	MPW	8-31-04



H2W Technologies, Inc.
 Santa Clarita, CA 91350 USA
 Tel: (661) 291-1620
www.h2wtech.com

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UNLESS SPECIFIED OTHERWISE:
 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

**FOR
 REFERENCE
 ONLY**

MATERIAL
 FINISH

TITLE

**Voice Coil Actuator
 Model #: NCC05-18-060-2X**

DWG # **30-0359**
 REV **D**
 DATE 8-31-04 SHEET 1 of 2

1

2

3

4

5

NON-COMM ACTUATOR SPECIFICATIONS

Motor P/N	NCC05-18-060-2X	
Device Type	Moving Coil	
Stroke	0.50 in	12.7 mm
Radial Clearance	0.015 in / side	0.38 mm / side
Bearing Type	None	
Moving Mass	0.22 lbs	99 grams
Total Mass	1.20 lbs	544 grams
Resistance @ 20C	11.5 ohms	
Inductance @ 20C	4.5 mH	
Electrical Time Constant	0.39 msec	
Motor Constant	1.8 lbs/sqrt(watt)	7.9 N/sqrt(watt)
Force Constant	6.3 lbs/Amp	28 N/Amp
Back EMF	0.7 V/ips	28 V/m/sec
Force @ 100% Duty	6.0 lbs	27 N
Power @ 100% Duty	12 watts	
Current @ 100% Duty	1.0 Amps	
Force @ 10% Duty	18 lbs	80 N
Power @ 10% Duty	102 watts	
Current @ 10% Duty	3.0 Amps	



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