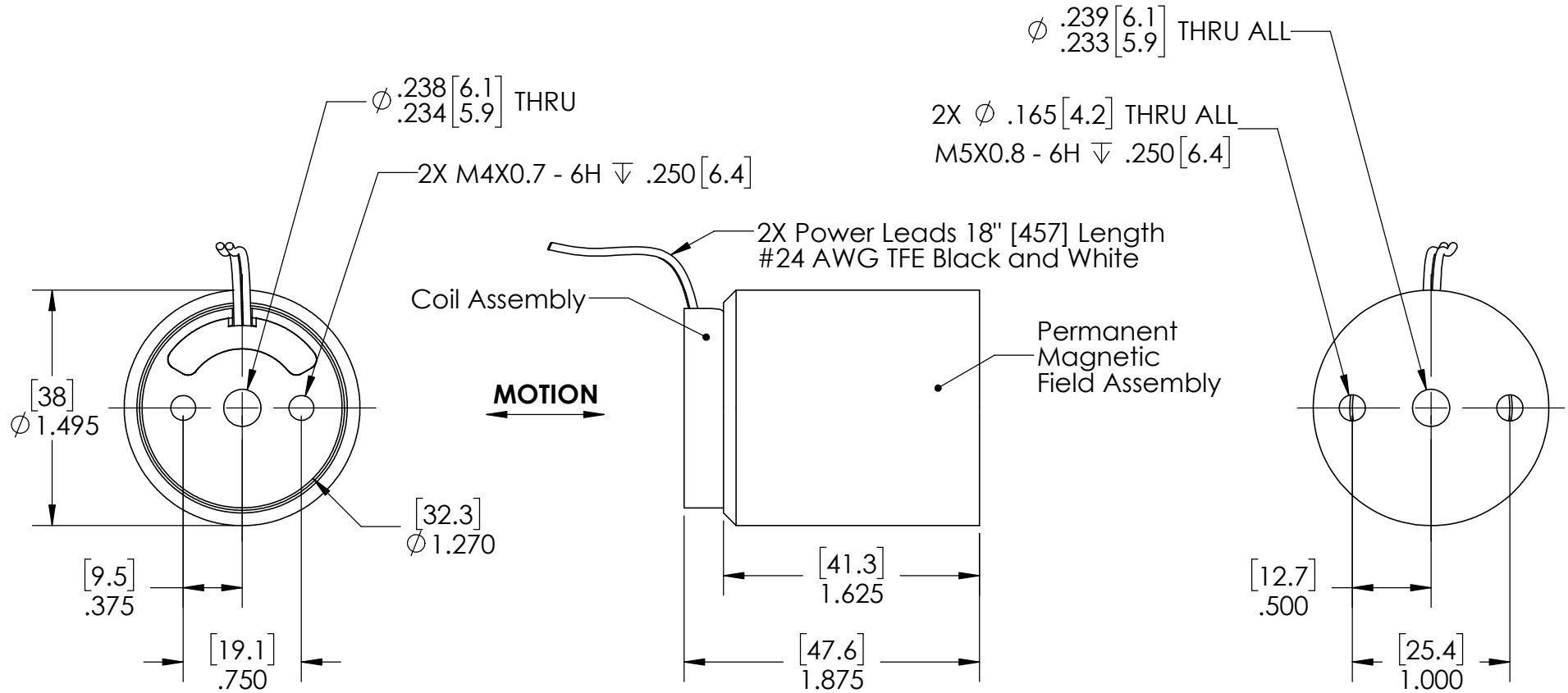


ACTUATOR SHOWN FULLY RETRACTED

REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	JRM	MPW	6-27-17



NOTE:

- When (+) is connected to White Lead and (-) is connected to Black Lead, the coil assembly will move out of the permanent magnetic field assembly



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Santa Clarita, CA 91350 USA
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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 .010
.X $\pm .020$ CORNERS .010
Remove All Burrs and Sharp Edges

**FOR
REFERENCE
ONLY**

MATERIAL

FINISH

TITLE

Voice Coil Actuator Model #:
NCC03-15-050-2H

DWG # **30-1326**

REV **----**

DATE **6-27-17** SHEET **1 of 2**

1

2

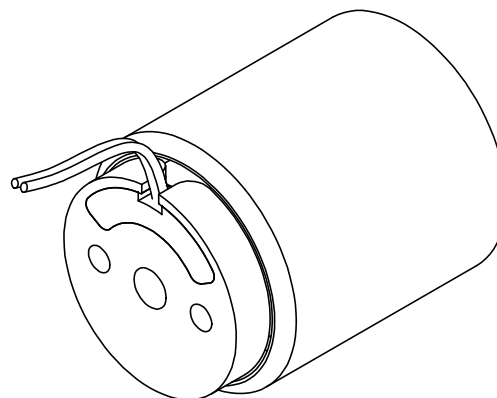
3

4

5

NON-COMM ACTUATOR SPECIFICATIONS

Motor P/N	NCC03-15-050-2H	
Device Type	Moving Coil	
Stroke	0.25 in	6.4 mm
Radial Clearance	0.015 in / side	0.38 mm / side
Bearing Type	None	
Moving Mass	0.13 lbs	55 grams
Total Mass	0.70 lbs	310 grams
Resistance @ 20C	3.75 ohms $\pm$ 0.4 ohms	
Inductance @ 20C	1.30 mH $\pm$ 0.30 mH	
Electrical Time Constant	0.35 msec	
Motor Constant	1.38 lbs/sqrt(watt)	6.14 N/sqrt(watt)
Force Constant	2.7 lbs/amp	11.9 N/amp
Back EMF	0.3 V/ips	11.9 V/m/sec
Force @ 100% Duty	5.0 lbs	22.3 N
Power @ 100% Duty	13 watts	
Current @ 100% Duty	1.9 amps	
Force @ 10% Duty	15.0 lbs	66.8 N
Power @ 10% Duty	118 watts	
Current @ 10% Duty	5.6 amps	



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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

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MATERIAL

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Voice Coil Actuator Model #:
NCC03-15-050-2H

DWG #

30-1326

REV

DATE

6-27-17

SHEET

2 of 2