

1

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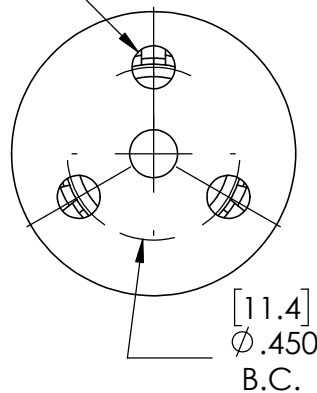
5

ACTUATOR SHOWN AT MIDSTROKE

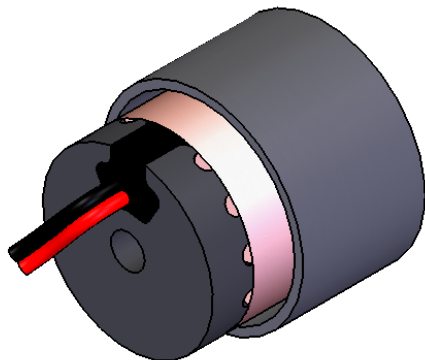
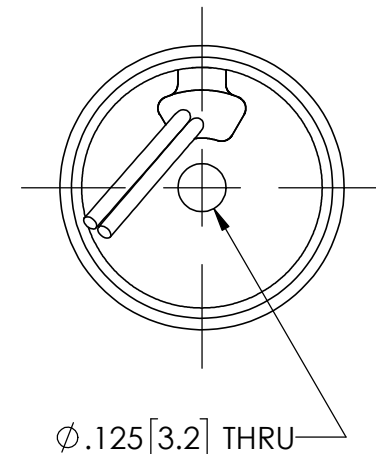
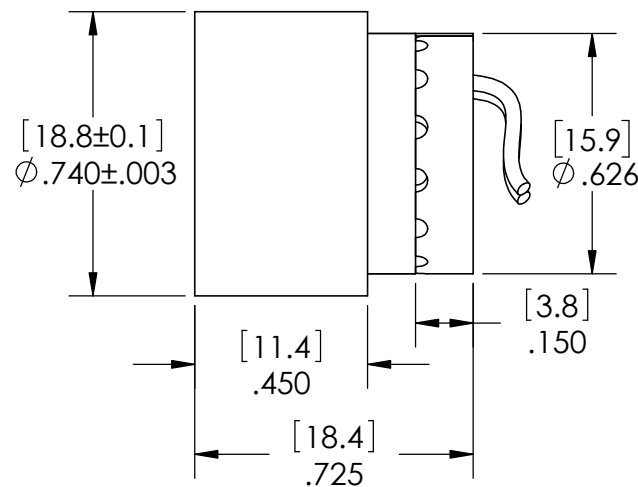
REVISION TABLE

REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	JRM	MPW	11-27-07
A	---	Added specification sheet	JRM	MPW	11-27-07

3X ϕ .089 [2.3] ∇ .100 [2.5]
4-40 UNC ∇ .100 [2.5]



MOTION



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

**FOR
REFERENCE
ONLY**

MATERIAL

FINISH

TITLE

Voice Coil Actuator
Model #: NCC03-07-001-1V

DWG # **30-0629**

REV **A**

DATE **11-27-07** SHEET **1 of 2**

1

2

3

4

5

A

A

B

B

C

C

D

D

MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS

Motor P/N	NCC03-07-001-1V	
Stroke	0.25"	6.4 mm
Radial Clearance	0.030" per side	0.76 mm per side
Bearing Type	None Provided	
Moving Mass	0.25 oz	7 grams
Total Mass	0.67 oz	19 grams
Resistance @ 20C	9.6 ohms	
Inductance @ 20C	1.4 mH	
Electrical Time Constant	140 μ sec	
Motor Constant	0.19 LBS/SQRT(Watt)	0.83 N/SQRT(Watt)
Force Constant	0.58 LBS/Amp	2.58 N/Amp
Back EMF	0.07 V/ips	2.58 V/m/sec
Continuous Force	0.12 LBS	0.53 N
Max Power @ 100% Duty	0.4 Watts	
Peak Force	0.36 LBS	1.60 N
Max Power @ 10% Duty	3.6 Watts	



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Voice Coil Actuator
 Model #: NCC03-07-001-1V

DWG #

30-0629

REV

A

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SHEET

2 of 2