

1

2

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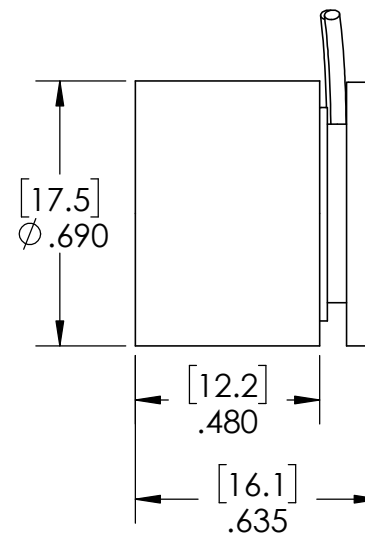
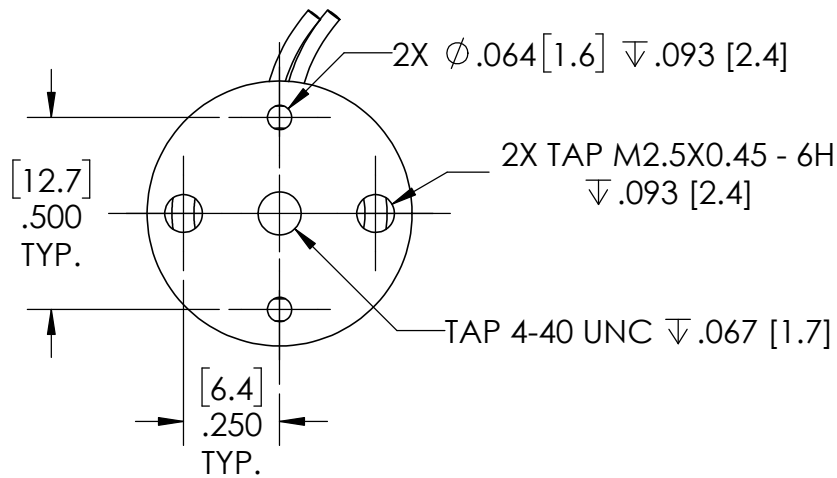
5

MOTOR SHOWN FULLY RETRACTED

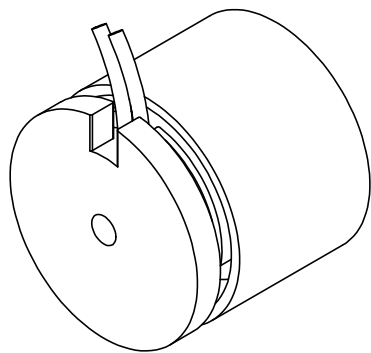
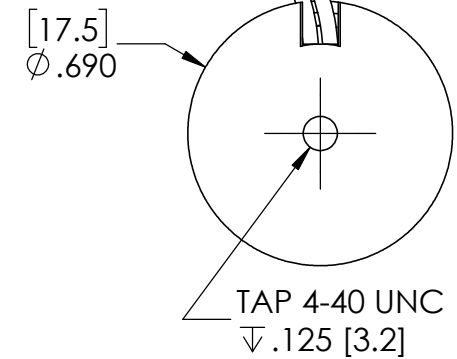
REVISION TABLE

REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
C	---	----	OOG	MPW	2-13-07

MOTION



MOTOR POWER LEADS



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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 #: NCC01-07-001-1R

DWG #

30-0560

REV

C

DATE

2-13-07

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	NCC01-07-001-1R	
Stroke	0.12"	3.0 mm
Radial Clearance	0.030" per side	0.76 mm per side
Bearing Type	None Provided	
Moving Mass	0.11 oz	3.0 grams
Total Mass	0.53 oz	15.0 grams
Resistance @ 20C	6.5 ohms	
Inductance @ 20C	0.2 mH	
Electrical Time Constant	0.03 msec	
Motor Constant	0.14 LBS/SQRT(Watt)	0.62 N/SQRT(Watt)
Force Constant	0.34 LBS/Amp	1.50 N/Amp
Back EMF	0.04 V/ips	1.50 V/m/sec
Continuous Force	0.15 LBS	0.67 N
Max Power @ 100% Duty	1.1 Watts	
Peak Force	0.45 LBS	2.00 N
Max Power @ 10% Duty	10.3 Watts	



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 .XXX ±.005 ANGLES ±.1°
 .XX ±.010 FILLETS .010
 .X ±.020 CORNERS .010
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2 of 2