

1

2

3

4

5

REVISION TABLE

REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	N/A
A	N/A	---	OOG	MPW	N/A
B	N/A	---	JRM	MPW	4-12-05
C	1853	Added 1/4-20 mounting hole pattern	SDC	MPW	12-8-16

[76.2]
3.000
Fully Retracted

[76.2]
Ø 3.000

Coil Assembly

[116.8]
4.600

[1.3]
.050

[63.5]
2.500

Motion

(out of magnetic assembly)
when + connected to white,
and - connected to black

MOTION

[139.6]
Ø 5.495

[26.0]
Ø 1.024

[63.5]
Ø 2.500

1/4-20 Tapped Hole
(4 Pl. @ 90° on a 1.024 BC)

3/8-16 Tapped Hole
(4 Pl. @ 90° on a 2.500 BC)

1/2-13 Tapped Hole
(3 Pl. @ 120° on a 3.000 BC)

Magnet Assembly

Power Leads (2)



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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

NCC06-60-500-1X

DWG #

30-0413

REV

C

DATE

12-8-16

SHEET

1 of 1

MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCC06-60-500-1X	
Stroke	0.64"	16.3 mm
Radial Clearance	0.050" per side	1.3 mm per side
Bearing Type	None Provided	
Moving Mass	1.7 lbs	760 grams
Total Mass	16.2 lbs	7360 grams
Resistance @ 20C	6.5 ohms	
Inductance @ 20C	4.6 mH	
Electrical Time Constant	0.71 msec	
Motor Constant	5.50 LBS/SQRT(Watt)	24.5 N/SQRT(Watt)
Force Constant	14.0 LBS/Amp	62.3 N/Amp
Back EMF	1.6 V/ips	62.3 V/m/sec
Continuous Force	50 LBS	227 N
Max Power @ 100% Duty	83 Watts	
Peak Force	150 LBS	681 N
Max Power @ 10% Duty	744 Watts	