These drawings and specifications are the property of H2W Technologies, Inc. They are issued in confidence and shall not be reproduced, copied, or used without written permission from H2W Technologies, Inc. (www.h2wtech.com) -Magnet Field Assembly Power Posts (2) When power is connected as shown below, the coil will move out of the magnetic field assembly. 30° -Coil Assembly $\emptyset.550$ \emptyset .530 \emptyset .070 MOTION_ $\emptyset.850$ Ø.720 .020 Tap 2-56 (3 Pl.) - Tap 2-56 (3 Pl.) $\emptyset.760$ Shown Fully Retracted **H2W Technologies, Inc.**26470 Ruether Ave. #102 Santa Clarita, CA 91350 USA
Tel: (661)251-2081 Fax: (661)251-2067
www.h2wtech.com MATERIAL Non-Comm Moving Coil DC Linear Actuator UNLESS SPECIFIED OTHERWISE: All dimensions are in inches All dimensions are in increase
Standard Tolerances are as follows
.XXX ±.005 ANGLES ±1°
.XX ±.010 FILLETS .010
.X ±.020 CORNERS .010
.X ±.020 Remove All Burrs and Sharp Edges Model # NCC01-09-001-1S FINISH DRAWN **DATE** 9-1-09 APPROVED **DATE** 9-1-09 30-0919 1 of 2

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MPW

MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCC01-09-001-1S	
Stroke	0.09"	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	20 ohms	
Inductance @ 20C	1.7 mH	
Electrical Time Constant	0.09 msec	
Motor Constant	0.11 LBS/SQRT(Watt)	0.47 N/SQRT(Watt)
Force Constant	0.48 LBS/Amp	2.10 N/Amp
Back EMF	0.05 V/ips	2.10 V/m/sec
Continuous Force	0.11 LBS	0.49 N
Max Power @ 100% Duty	1.1 Watts	
Peak Force	0.33 LBS	1.47 N
Max Power @ 10% Duty	10.3 Watts	

TITLE
Non-Comm Moving Coil DC Linear Actuator
Model # NCC01-09-001-1S
MIUUEI # INCCUI-U9-UUI-18

DWG # 30-0919

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