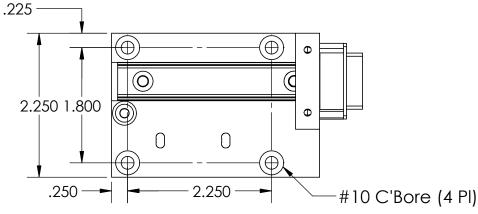
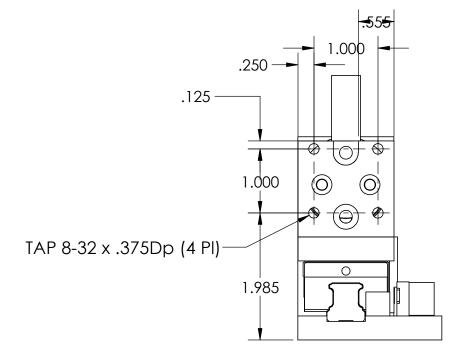
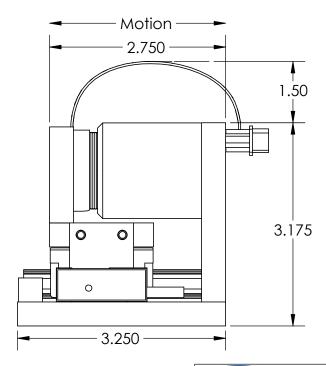
These drawings and specifications are the property of H2W Technologies, Inc. They are issued in confidence and shall not be reproduced, copied, or used without written permission from H2W Technologies, Inc. (www.h2wtech.com)

KEVISION TABLE							
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE		
		Original Drawing	OOG	MPW	9-10-15		

PARTS HAVE BEEN HIDDEN TO SHOW MOUNTING HOLES







UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows XXX ±.005 ANGLES ±1° XX ±.005 ANGLES 0.10 X ±.020 CORNERS 0.10 Remove All Burns and Sharp Edges

MATERIAL TITLE FINISH

Voice Coil Positioning Stage Model #: VCS03-050-LB-0005-C

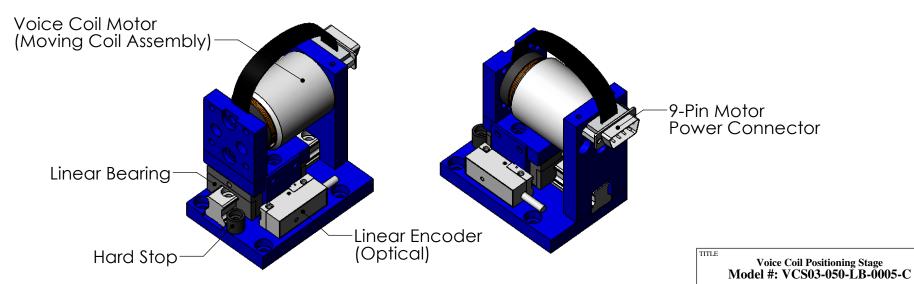
H2W Technologies, Inc. 26380 Ferry Court Santa Clarita, CA 91350 USA Tel: (661) 291-1620 Fax: (661) 291-1626 www.h2wtech.com

1 of 1

AWN OOG 9-10-15 MPW 9-10-15 DWG# 31-0740 REV

MOTOR SHOWN AT MID-STROKE

VOICE COIL POSITIONING STAGE SPECIFICATIONS						
Motor P/N	NCC03-15-050-2X					
Stroke	0.25"	6.4 mm				
Encoder Resolution	50 nm					
Encoder Type	Optical					
Bearing Type	Linear Bearing					
Moving Part	Coil Assembly					
Moving Mass	0.50 lbs	227 grams				
Total Mass	1.88 lbs	854 grams				
Resistance @ 20C	3.8 ohms					
Inductance @ 20C	1.3 mH					
Electrical Time Constant	0.35 msec					
Motor Constant	1.4 LBS/SQRT(Watt)	2.98 N/SQRT(Watt)				
Force Constant	1.2 lbs/Amp	6.1 N/Amp				
Back EMF	0.30 V/ips	11.9 V/m/sec				
Force @ 100% Duty	5.0 lbs	22.3 N				
Power @ 100% Duty	13.0 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					



SHEET 2 of 2

31-0740