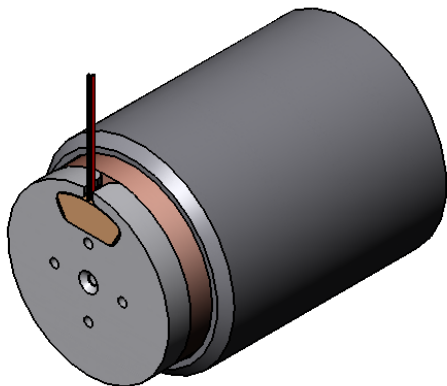
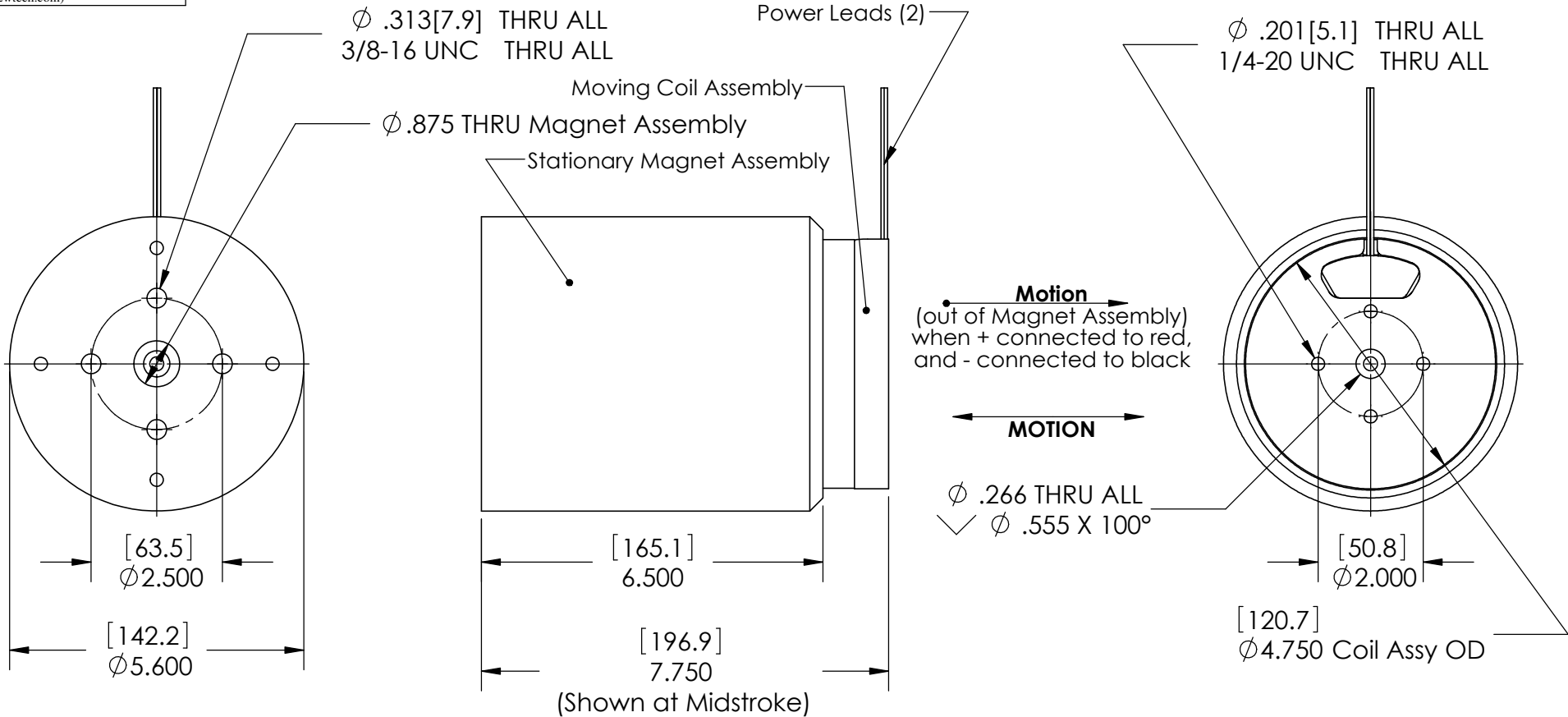


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UNLESS SPECIFIED OTHERWISE:
 All dimensions are in inches
 Standard Tolerances are as follows
 .XXX $\pm .005$ ANGLES $\pm 1^\circ$
 .XX $\pm .010$ FILLETS .010
 X $\pm .020$ CORNERS .010
 Remove All Burrs and Sharp Edges

MATERIAL			
FINISH			
DRAWN	DATE	APPROVED	DATE
JRM	4-26-06	MPW	4-26-06

TITLE		
H2W Technologies, Inc. 28310-C Ave Crocker Valencia, CA 91355 USA Tel: (661)-702-9346 Fax: (661)-702-9348 www.h2wtech.com		
Moving Coil Non-Comm Actuator Model# NCC12-60-1000-2X		
DWG #	REV	SHEET
30-0478	B	1 of 2

MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS		
Motor P/N	NCC12-60-1000-2X	
Stroke	1.20"	30.5 mm
Radial Clearance	0.025" per side	0.64 mm per side
Bearing Type	None Provided	
Moving Mass	5.3 lbs	2.4 kgrams
Total Mass	39.5 lbs	17.9 kgrams
Resistance @ 20C	3.0 ohms	
Inductance @ 20C	2.7 mH	
Electrical Time Constant	0.90 msec	
Motor Constant	11.8 LBS/SQRT(Watt)	52.5 N/SQRT(Watt)
Force Constant	20.1 LBS/Amp	89.4 N/Amp
Back EMF	2.3 V/ips	89.4 V/m/sec
Continuous Force	100 LBS	454 N
Max Power @ 100% Duty	72 Watts	
Peak Force	300 LBS	1362 N
Max Power @ 10% Duty	646 Watts	

TITLE	Moving Coil Non-Comm Actuator Model# NCC12-60-1000-2X	
DWG #	30-0478	REV A
		SHEET 2 of 2