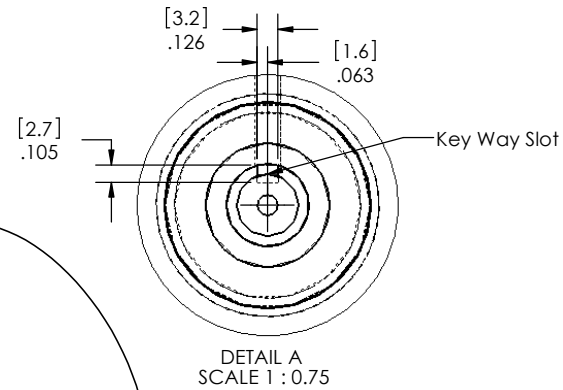
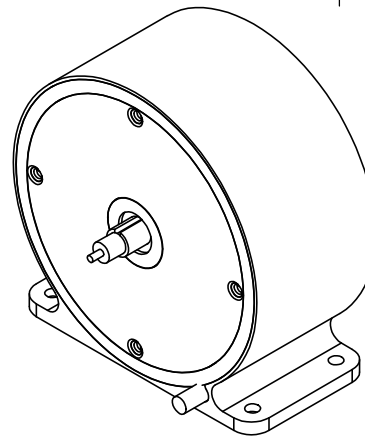
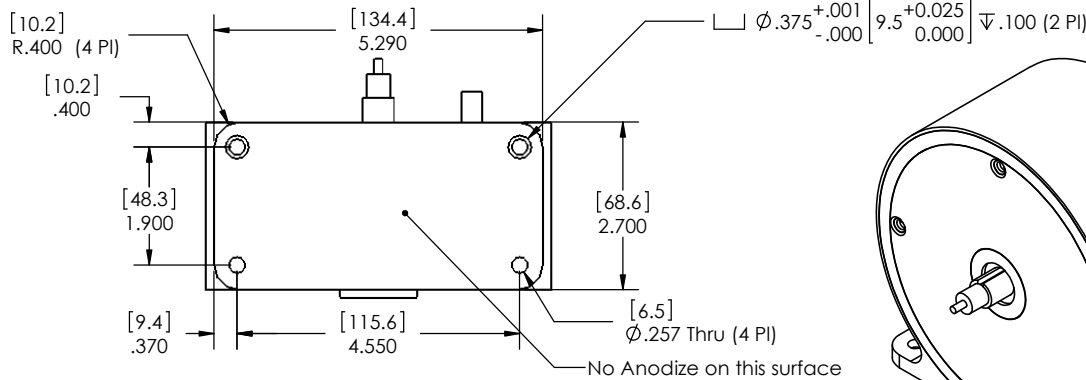
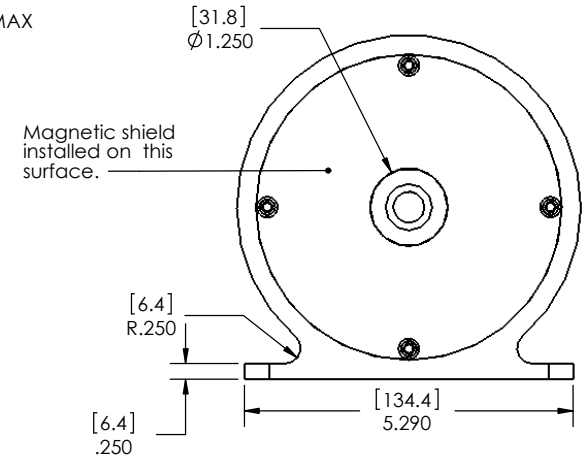
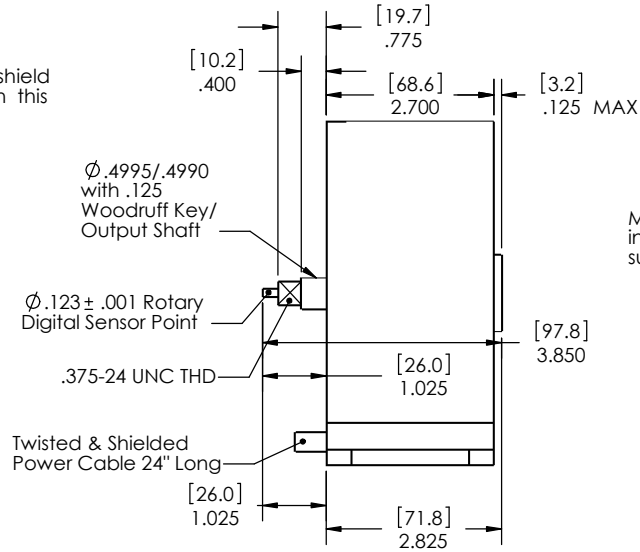
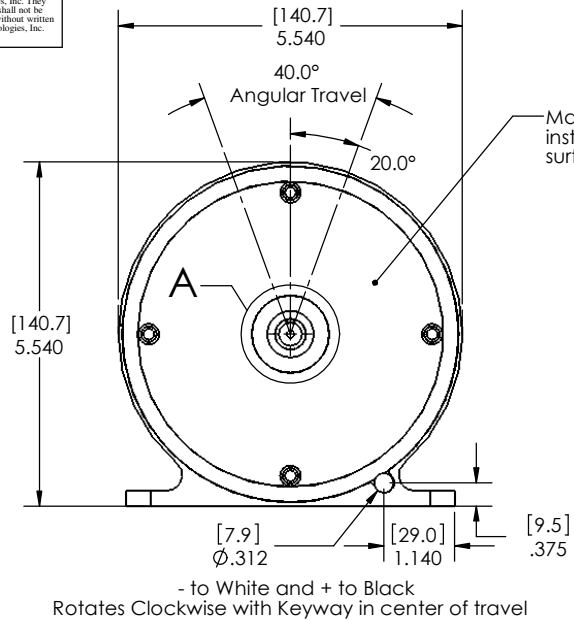


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UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS IN INCHES
XXX ANGLES ±.01
XX ±.010 FILLERS AND
X ±.020 CORNERS .010
REMOVE ALL BURS, SHARP EDGES

RELEASED FOR MFG.				H2W Technologies, Inc.			
DATE	11-19-04			28310-C Ave Crocker, Valencia, CA 91355 USA			
BY	<i>Chris P. [Signature]</i>			Tel: (661)-702-9346 Fax: (661)-702-9348			
MATERIAL				www.h2wtech.com			
FINISH				TITLE			
DRAWN	DATE	APPROVED	DATE	DWG #	REV	ECC	1325
ODG	11-19-04	MPW	11-19-04	80-0084	C		

Limited Angle Torque Motor
Model# TMR-040-55-875-4H

LIMITED ANGLE TORQUE MOTOR SPECIFICATIONS		
Motor P/N	TMR-040-55-875-4H	
Device Type	MR	
Stroke	40 degrees	0.70 radians
Radial Clearance	0.025 in	0.64 mm
Housed with Bearings	Yes	
Rotor Inertia	267 oz-in ²	4.89 E-3 kg-m ²
Total Mass	11.5 lbs	5.20 kgs
Resistance @ 20C	3.0 ohms	
Inductance @ 20C	3.7 mH	
Electrical Time Constant	1.23 msec	
Motor Constant	95 in-oz/sqrt(watt)	66 N-cm/sqrt(watt)
Torque Constant	165 in-oz/amp	115 N-cm/amp
Back EMF	0.12 V/rpm	1.2 V/rad/sec
Torque @ 100% Duty	875 in-oz	611 N-cm
Power @ 100% Duty	85 watts	
Current @ 100% Duty	5.3 amps	
Torque @ 10% Duty	2625 in-oz	1834 N-cm
Power @ 10% Duty	765 watts	
Current @ 10% Duty	16 amps	