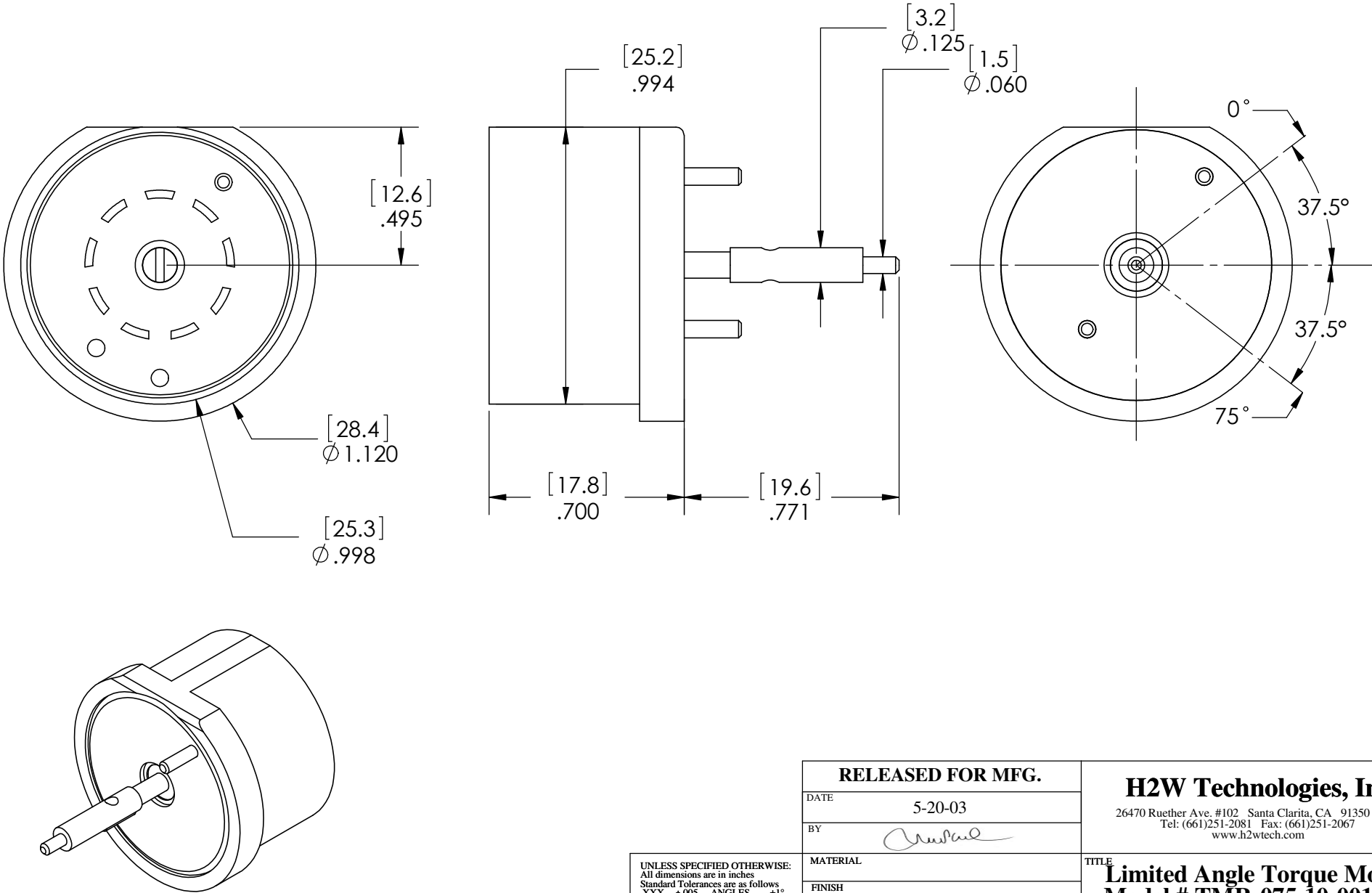
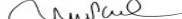


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UNLESS SPECIFIED OTHERWISE:
All dimensions are in inches
Standard Tolerances are as follows
.XXX ±.005 ANGLES ±1°
.XX ±.010 FILLETS AND
X ±.020 CORNERS .010
Remove All Burrs and Sharp Edges

RELEASED FOR MFG.				H2W Technologies, Inc. 26470 Ruether Ave. #102 Santa Clarita, CA 91350 USA Tel: (661)251-2081 Fax: (661)251-2067 www.h2wtech.com		
DATE 5-20-03						
BY 						
MATERIAL				TITLE Limited Angle Torque Motor Model # TMR-075-10-001-2H		
FINISH						
DRAWN OOG	DATE 6-20-03	APPROVED MPW	DATE 6-20-03	DWG # 80-0070	REV A	Sheet 1 of 2

LIMITED ANGLE TORQUE MOTOR SPECIFICATIONS		
Motor P/N	TMR-075-10-001-2H	
Continuous Torque Range	75 degrees	1.31 Radians
Radial Clearance	0.020" per side	0.51 mm per side
Bearing Type	Shielded Rotary Bearing	
Moving Mass	0.32 oz*	9 grams*
Total Mass	1.13 oz*	32 grams*
Resistance @ 20C (Single Coil Pair)	21.5 ohms +/- 10%	
Inductance @ 20C (Single Coil Pair)	2.3 mH*	
Electrical Time Constant (Single Coil Pair)	0.11 msec *	
Motor Constant (Single Coil Pair)	0.43 in-oz/SQRT(Watt)*	0.003 N-m/SQRT(Watt)*
Torque Constant (Single Coil Pair)	2 in-oz/Amp*	0.014 N-m/Amp*
Back EMF (Single Coil Pair)	0.014 Volts/rad/sec*	
Continuous Torque (Single Coil Pair)	1.0 in-oz*	0.007 N-m*
Max Power @ 100% Duty	5.4 Watts	
Peak Torque (Single Coil Pair)	3.0 in-oz*	0.021 N-m*
Max Power @ 10% Duty	49 Watts	
Rotor Inertia	8.14 E-3 oz-sq.in.	1.49 E-7 kg-sq.m

* Values based on calculations and are for reference only, actual values will be confirmed upon shipment. As a rule of thumb the values contained are +/- 10% unless otherwise stated within the table.

TITLE Limited Angle Torque Motor Model # TMR-075-10-001-2H		
DWG # 80-0070	REV A	SHEET 2 of 2