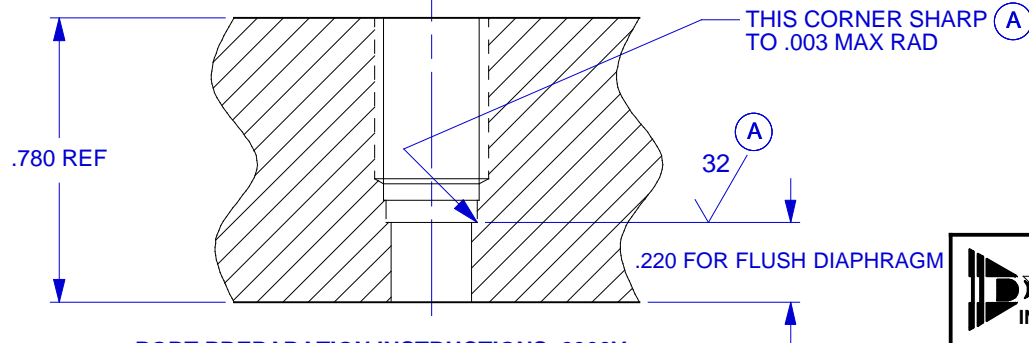
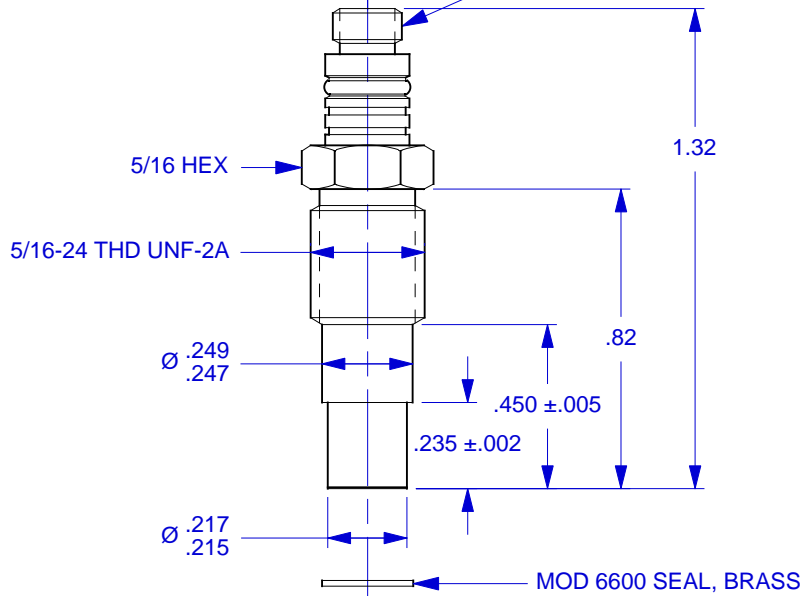


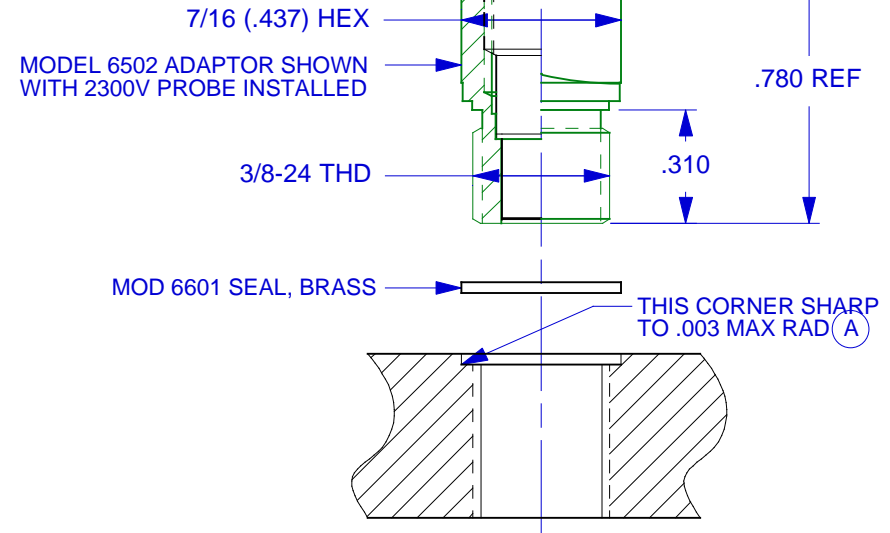
10-32 COAXIAL CONNECTOR



PORT PREPARATION INSTRUCTIONS, 2300V

1. DRILL AND REAM $\phi .221 + .001 / - .000$ THRU
2. C'BORE (OR END CUTTING REAM) $1/4$ ($\phi .250 + .003 / - .000$) X $.560$ DEEP (A)
3. C'DRILL $\phi .272 + .003 / - .001$ X $.500$ DEEP
4. BOTTOM TAP 5/16-24 UNF-2B X $.440$ MIN DEPTH

1. MOUNTING TORQUE FOR 2300V PROBE: 30 LB-INCHES.
2. MOUNTING TORQUE FOR 6502 ADAPTOR: 50-60 LB-INCHES.



PORT PREPARATION INSTRUCTIONS, 6502

1. DRILL Q ($\phi .332$) THRU (OR $.450$ MIN DEPTH)
2. TAP 3/8-24 UNF-2B X $.350$ MIN DEPTH
3. C'BORE $\phi .437 + .003 / - .000$ X $.030$ DEEP

DYTRAN INSTRUMENTS, INC.		CHATSWORTH, CA.			
SCALE	2X	REV	A	DATE	9-10-02
DATE	8/12/96	PART NO.			
DRAWN	N.C.	CHECKED	D.Z.	MAT'L	
APPROVED				NEXT ASSEMBLY	USED ON
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL 2300V				127-2300V	
SHEET 1 OF 1					

**SPECIFICATIONS, MODEL SERIES 2300V
HIGH FREQUENCY PROBE TYPE PRESSURE SENSORS**

COMMON SPECIFICATIONS	VALUE	UNITS
RESONANT FREQUENCY, NOM.	500	kHz
SENSITIVITY RANGE	0.33 to 20	mV/PSI
ACCELERATION SENSITIVITY	.001	PSI/G
LINEARITY	± 1	%
TEMPERATURE RANGE [1]	-100 to +250	°F
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/°F
TIME CONSTANT RANGE	2.0 to 100.0	Seconds
OUTPUT IMPEDANCE, NOM	150	OHMS
BIAS VOLTAGE OF INTEGRAL AMPLIFIER, NOM.	+10	VOLTS
BIAS REQUIREMENTS	+7.5 to +9.5	VOLTS
MAXIMUM SHOCK	10,000	G's
MAXIMUM VIBRATION	± 5000	G's
MAXIMUM PRESSURE (DIAPHRAGM BURST)	18,000	PSI
SUPPLY CURRENT RANGE	2 to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE [2]	+18 to +30	VDC
MATERIAL, HOUSING/DIAPHRAGM	17-4ph /316L	ST. STEEL
MOUNTING 2300V SERIES	EXTERNAL 5-16/24 THREADS	
CONNECTOR	10-32	COAXIAL
ENVIRONMENTAL SEAL	WELDED, GLASS TO METAL	HERMETIC
WEIGHT	6	GRAMS

SPECIFICATIONS FOR SPECIFIC MODELS

MODEL	RANGE (PSI)	SENSITIVITY (mV/PSI)	MAX. PRESS (PSI) [3]	ELECT NOISE (Psi)	DISCHARGE TIME CONSTANT (SECONDS)	-3db LOW FREQ. (Hz)
2300V1	250	20	5000	0.004	2.0	0.08
2300V3	500	10	10,000	0.007	5.0	0.03
2300V4	1000	5	10,000	0.014	10.0	0.02
2300V5	5000	1	15,000	0.07	50.0	0.003
2300V6	10,000	0.5	15,000	0.14	100.0	0.0016
2300V7	15,000	0.33	18,000	0.21	5.0	0.03

NOTES:

- [1] Maximum flash temperature +3000°F, short duration
- [2] From current limiting power unit only. **Do not** power up without current limiting power unit.
- [3] Refers to maximum pressure before possibility of damage to internal electronics.