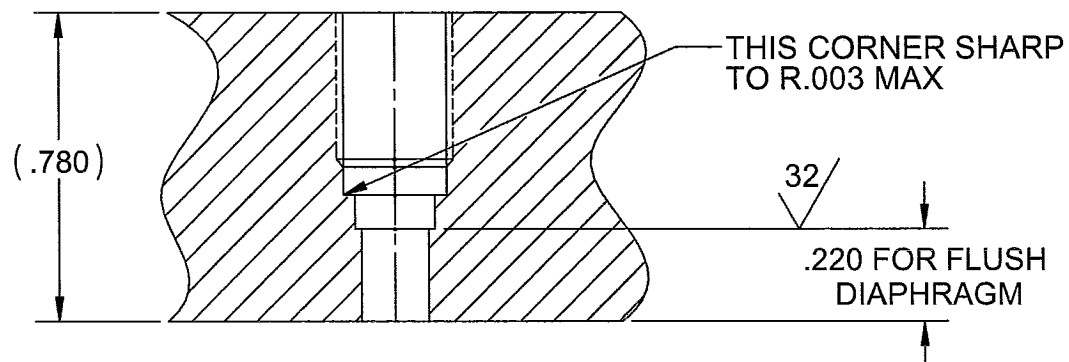
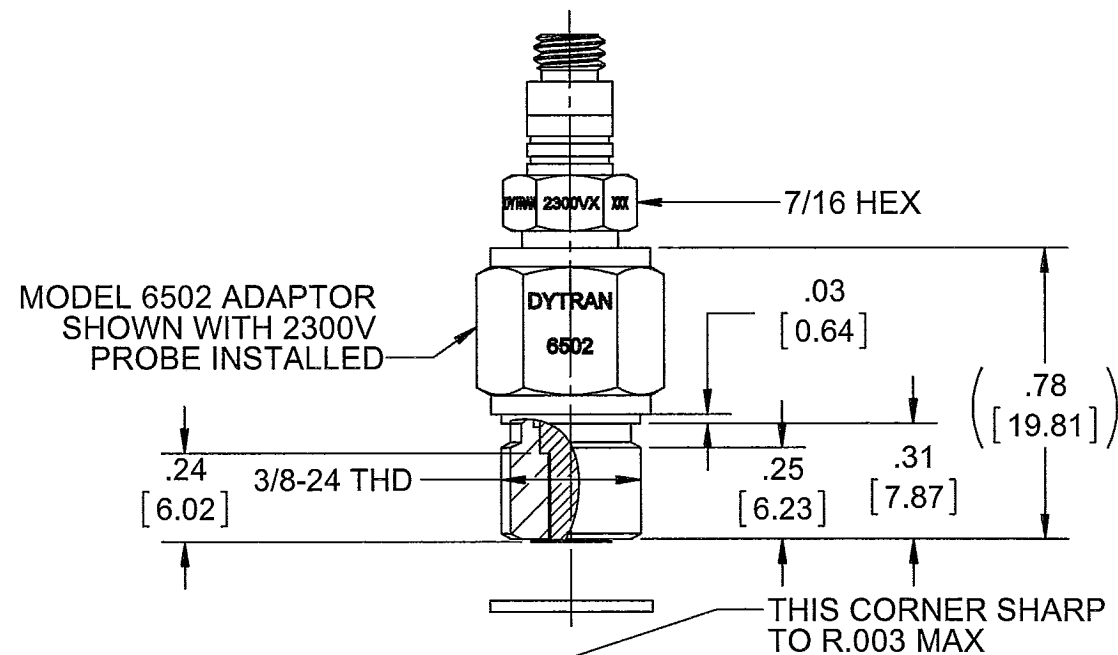
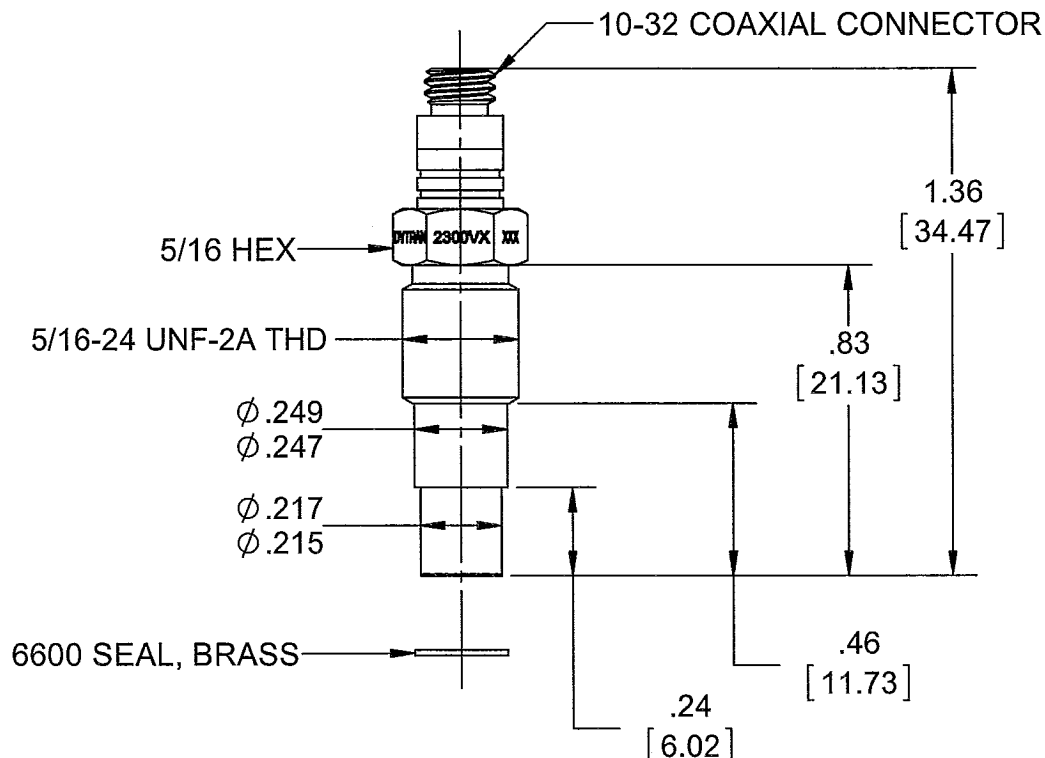
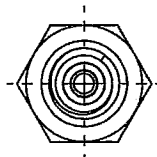


PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DYTRAN INSTRUMENTS INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF DYTRAN INSTRUMENTS INC. IS PROHIBITED

REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	9202	CONVERTED FROM ASHLAR TO SOLIDWORKS	AB 10/01/12	JS	DV
C	9256	ADDED DIMENSIONS: ZONE C2 .03, .24, AND .25	AB 10/10/12	JS	DV



- PORT PREPARATION INSTRUCTIONS, 6502**
1. DRILL $\phi .332$ THRU (OR .450 MIN DEPTH)
 2. TAP 3/8-24 UNF-2B X .350 MIN ∇
 3. $\square \phi .437 +.003/-0.000$ X .030 ∇

- PORT PREPARATION INSTRUCTIONS, 2300V**
1. DRILL AND REAM $\phi .221 +.001/.000$ THRU
 2. $\square \phi .250 +.003/-0.000$ X .560 ∇
 3. DRILL $\phi .272 +.003/-0.000$ X .500 ∇
 4. BOTTOM TAP 5/16-24 UNF-2B X .440 MIN DEPTH

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

UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS. DIMENSIONS APPLY AFTER FINISHING.	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:				
	DECIMALS .XX ± .03 .XXX ± .010	METRIC .X ± 0.8 .XX ± 0.25			ANGLES ± 1°
	APPROVALS		DATE		TITLE: OUTLINE/INSTALLATION DRAWING, MODEL 2300V
	ORIG	AB	10/03/12		
CHK	JS	10/12			
APP	DV	10/12		SIZE B CAGE CODE 2W033 DWG NO 127-2300V REV C	
DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION USA		SCALE: 4:1 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	+7.5 to +9.5	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 (± 15%)	5000	0.004	2.0	0.08
2300V3	500	10 (± 15%)	10,000	0.007	5.0	0.03
2300V4	1000	5 (± 20%)	10,000	0.014	10.0	0.02
2300V5	5000	1 (± 20%)	15,000	0.07	50.0	0.003
2300V6	10,000	0.5 (± 20%)	15,000	0.14	100.0	0.0016
2300V7	15,000	0.33 (± 20%)	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.