

PROPRIETARY AND CONFIDENTIAL

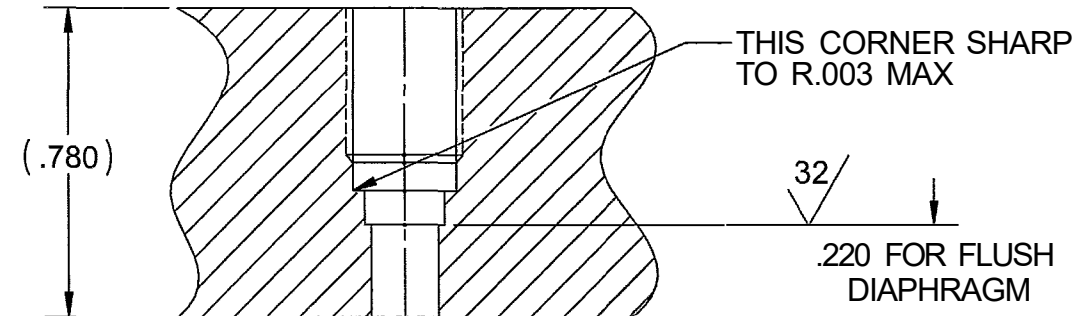
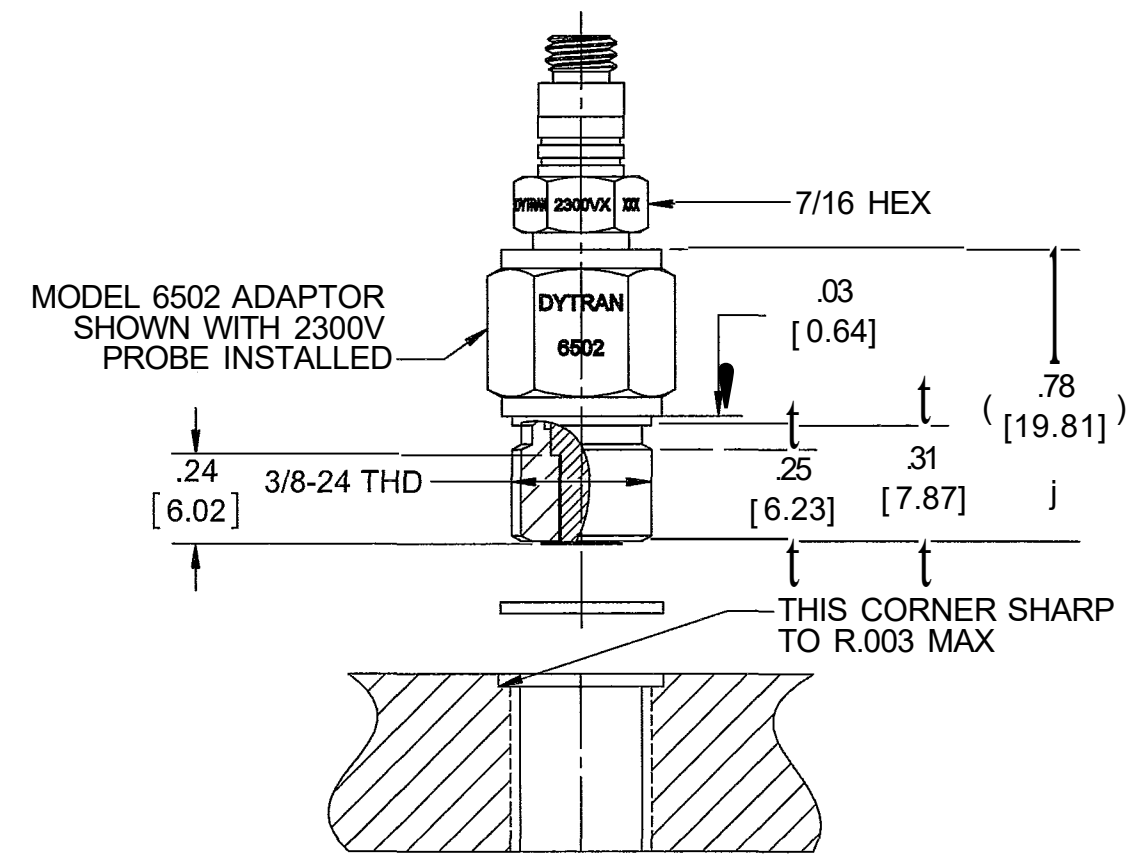
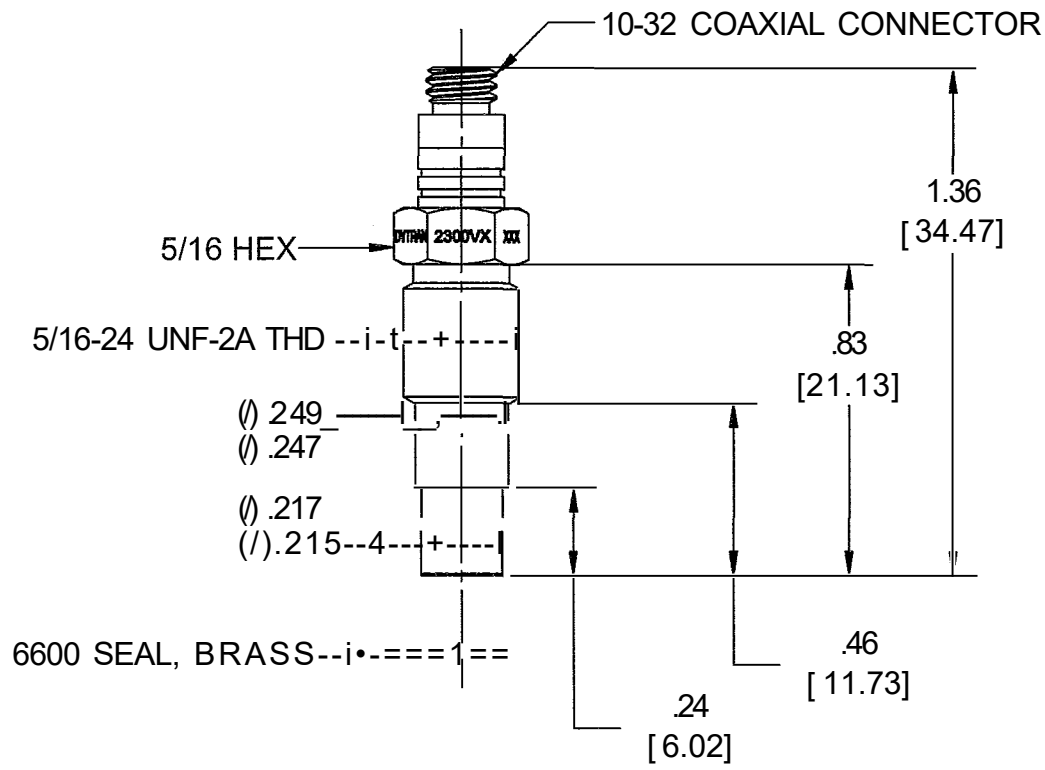
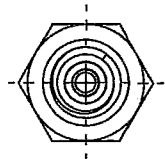
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REVISIONS

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	fl	DV



- PORT PREPARATION INSTRUCTIONS, 2300V
1. DRILL AND REAM (\varnothing) .221 +.001/.000 THRU
 2. LJ (\varnothing) .250 +.003/-0.000 X .560 w
 3. DRILL (\varnothing) .272 +.003/-0.000 X .500 w
 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

<p>UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS MIN FULL THDS. DIMENSIONS APPLY AFTER FINISHING.</p> <p>ALL MACHINED SURFACES. TOTAL RUNOUT WITHIN .005. BREAK SHARP EDGES .005 TO .010. MACHINED FILLET RADII .005 TO .015. WELDING SYMBOLS PER AWS A2.4. ABBREVIATIONS PER MIL-STD-12.</p>	<p>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:</p> <table border="1"> <tr> <th>DECIMALS</th> <th>METRIC</th> <th>ANGLES</th> </tr> <tr> <td>.XX ± .03</td> <td>.X ± 0.8</td> <td>± 1°</td> </tr> <tr> <td>.xxx ± 0.10</td> <td>.xx ± 0.25</td> <td></td> </tr> </table>		DECIMALS	METRIC	ANGLES	.XX ± .03	.X ± 0.8	± 1°	.xxx ± 0.10	.xx ± 0.25		<p>DYTRAN MASTER INSTRUMENTS, INC. Chatsworth, CA ONLY IF IN RED</p>	
	DECIMALS	METRIC	ANGLES										
	.XX ± .03	.X ± 0.8	± 1°										
	.xxx ± 0.10	.xx ± 0.25											
<p>APPROVALS</p> <table border="1"> <tr> <th>DATE</th> <th>DATE</th> </tr> <tr> <td>10/03/12</td> <td>10/12</td> </tr> </table>		DATE	DATE	10/03/12	10/12	<p>TITLE: OUTLINE/INSTALLATION DRAWING, MODEL 2300V</p>							
DATE	DATE												
10/03/12	10/12												
<p>APP DV 10/12</p>		<p>SIZE: B</p>	<p>CAGE CODE: 2W033</p>										
<p>DONOTSCALEDRAWING</p>		<p>THIRD ANGLE PROJECTION</p>	<p>DWG NO: 127-2300V</p>										



**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.



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