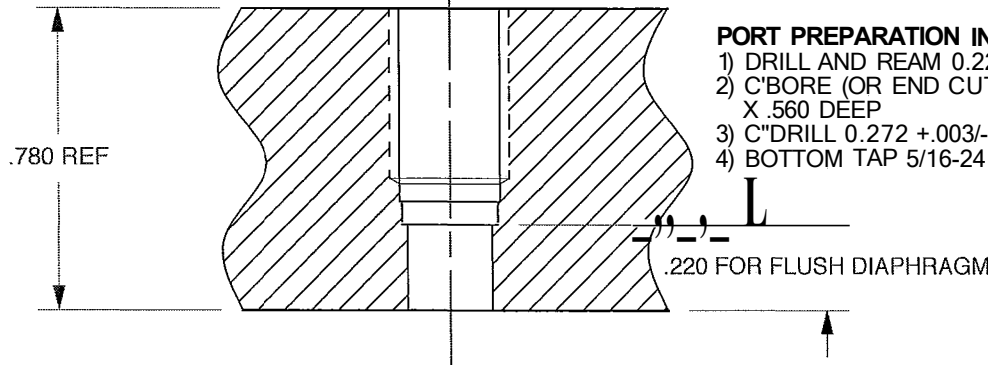
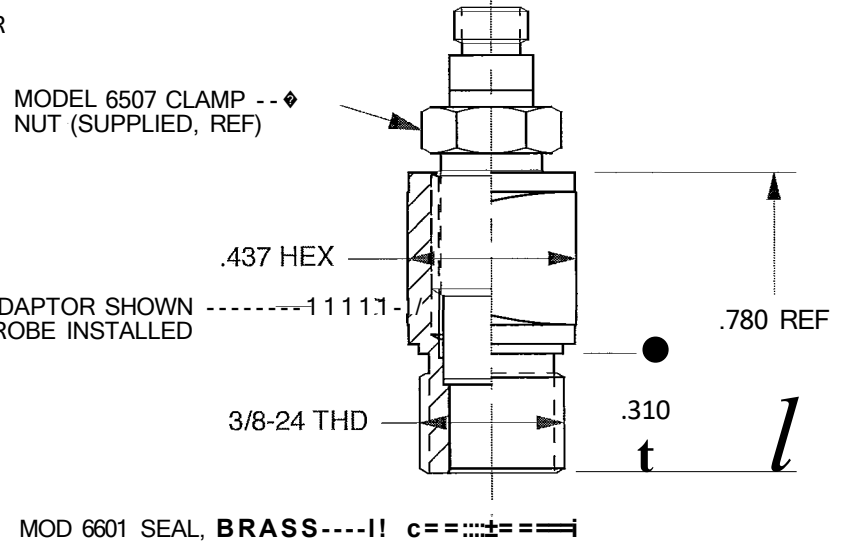
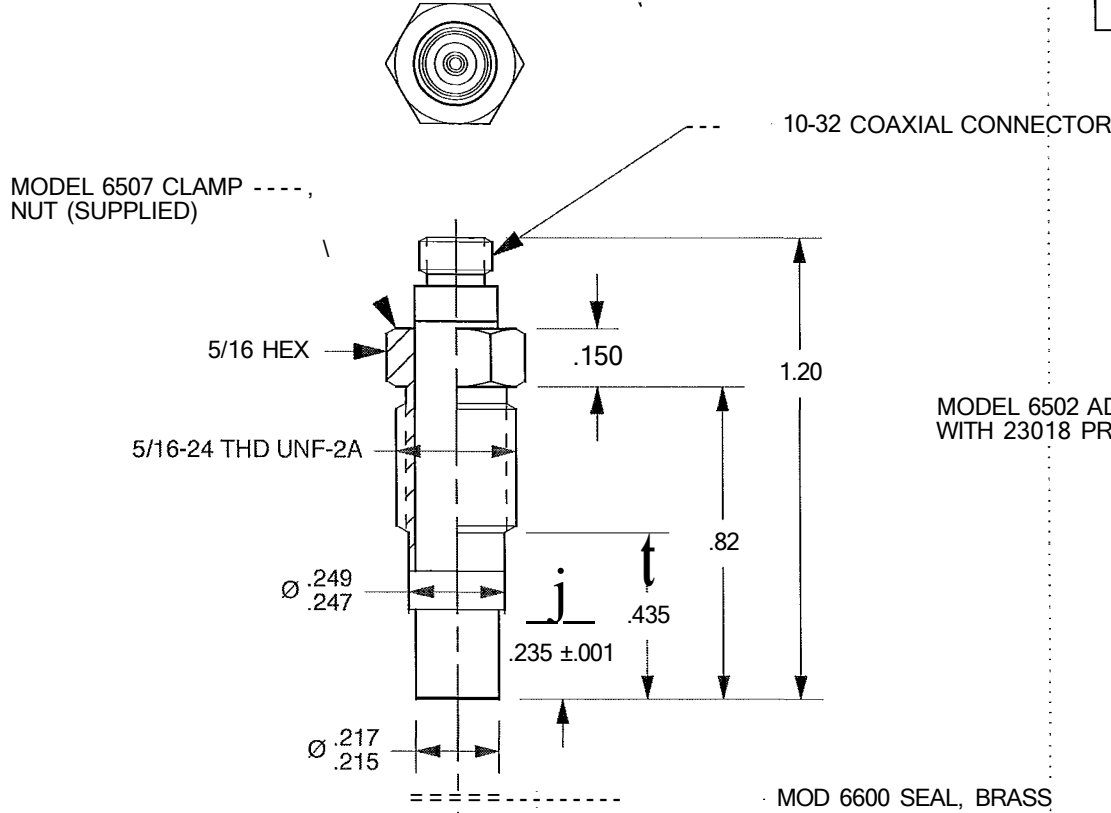


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	-	INITIAL RELEASE	NC/3-02-05	<i>[Signature]</i>	<i>[Signature]</i>



PORT PREPARATION INSTRUCTIONS, 23018 PROBE

- 1) DRILL AND REAM 0.221 +.001 /-.000 THRU
- 2) C'BORE (OR END CUTTING REAM) 1/4 (0.250) X .560 DEEP
- 3) C'DRILL 0.272 +.003/-.001 X .500 DEEP
- 4) BOTTOM TAP 5/16-24 UNF-28 X .440 MIN DEPTH

PORT PREPARATION INSTRUCTIONS, 6502 THREADED MOUNTING ADAPTOR

- 1) DRILL Q (0.332) THRU (OR .450 MIN DEPTH)
- 2) TAP 3/8-24 UNF-28 X .350 MIN DEPTH
- 3) C'BORE 0.437 +.003/-.000 X .030 DEEP

- 4) HOUSING/DIAPHRAGM MATERIAL: TITANIUM ALLOY.
- 3) WEIGHT: 5 GRAMS.
- 2) MOUNTING TORQUE FOR 6502 ADAPTOR: 50-60 LB-INCHES.
- i) MOUNTING TORQUE FOR 23018 PROBE: 30 LB- INCHES.



MASTER ONLY IF IN RED

CHATSWORTH, CA.

SCALE 2X	DESIGN NC	DATE 3/2/05			
DRAWN NC	DATE 3/2/05	PARTNO. MODEL SERIES 2301 B			
CHECKED R.A.	DATE 3/2/05	MAT'L		REV A	
APPROVED NC	DATE 3/2/05	NEXT ASSEMBLY	USED ON SERIES 2301 B		
TITLE OUTLINE/INSTALLATION DRAWING, MODEL SERIES 23018			DWGNO. 127-2301 B		
			SHEET 1 OF 1		

**SPECIFICATIONS, MODEL SERIES 2301B
HIGH FREQUENCY PROBE TYPE PRESSURE SENSORS**

COMMON SPECIFICATIONS	VALUE	UNITS
PHYSICAL		
WEIGHT	5	Grams
CONNECTOR	10-32	COAXIAL
SIZE, LENGTH X DIA.	1.2 X 0.249	IN.
DIAPHRAGM DIA.	0.217	IN.
MATERIAL, HOUSING/DIAPHRAGM	TITANIUM ALLOY	
MOUNTING	SEPARATE CLAMP NUT W/5/16-24 THREADS	

PERFORMANCE

SPECIFICATIONS FOR SPECIFIC MODELS

MODEL	RANGE (Psi)	SENSITIVITY (mV/Psi)	MAX. PRESS (Psi) [3]	ELECT NOISE (Psi)	DISCHARGE TC (SECONDS)	-3db LOW FREQ. (Hz)
230181	250	20	5000	0.004	2.0	0.08
230183	500	10	10,000	0.007	5.0	0.03
230184	1000	5	10,000	0.014	10.0	0.02
230185	5000	1	15,000	0.07	50.0	0.003
230186	10,000	0.5	15,000	0.14	100.0	0.0016
230187	15,000	0.33	18,000	0.02	5.0	0.03

SPECIFICATIONS, ALL MODELS

RESONANT FREQUENCY, NOM.	500	KHz
ACCELERATION SENSITIVITY	.001	PSI/G
LINEARITY	±1	%

ENVIRONMENTAL

MAXIMUM VIBRATION	±5000	G's
MAXIMUM SHOCK	10,000	G's
ENVIRONMENTAL SEAL	WELDED, GLASS TO METAL	HERMETIC
TEMPERATURE RANGE [1]	-100 to +250	OF
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/OF

ELECTRICAL

OUTPUT IMPEDANCE, NOM	100	OHMS
BIAS VOLTAGE OF INTEGRAL AMPLIFIER, NOM.	+11	VOLTS
SUPPLY CURRENT RANGE	2 to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE [2]	+18 to +30	VDC

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.