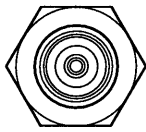


| REV | ECN | DESCRIPTION | BY/DATE | CHK | APPR |
|-----|------|-----------------|--------------------|------------|------------|
| A | 4948 | INITIAL RELEASE | MR. C. 11/29/07 | <i>ces</i> | <i>cas</i> |



MODEL 6507 SEPARATE CLAMP NUT (SUPPLIED)

10-32 COAXIAL CONNECTOR

5/16 HEX

5/16-24 THD UNF-2A

Ø .249

.247

Ø .217

.215

.150

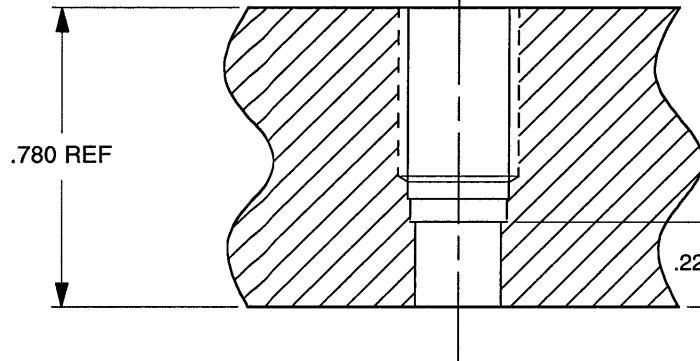
1.20

.82

.235 ±.001

.435

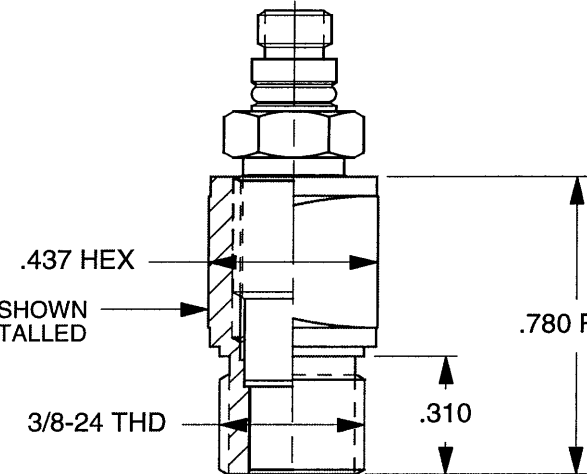
MOD 6600 SEAL, BRASS



PORT PREPARATION INSTRUCTIONS, 2301C

- 1) DRILL AND REAM Ø.221 +.001/-.000 THRU
- 2) C'BORE (OR END CUTTING REAM) 1/4 (Ø.250) X .560 DEEP
- 3) C"DRILL Ø.272 +.003/-.001 X .500 DEEP
- 4) BOTTOM TAP 5/15-24 UNF-2B X .440 MIN DEPTH

.220 FOR FLUSH DIAPHRAGM



MODEL 6502 ADAPTOR SHOWN WITH 2301C PROBE INSTALLED

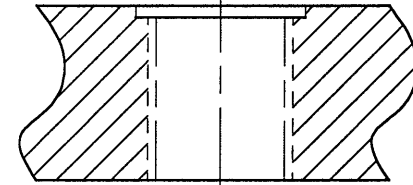
.437 HEX

3/8-24 THD

MOD 6601 SEAL, BRASS

.780 REF

.310



PORT PREPARATION INSTRUCTIONS, MODEL 6502 MOUNTING ADAPTOR

- 1) DRILL Q (Ø.332) THRU (OR .450 MIN DEPTH)
- 2) TAP 3/8-24 UNF-2B X .350 MIN DEPTH
- 3) C'BORE Ø.437 +.003/-.000 X .030 DEEP
- 4) MOUNTING TORQUE: 50-60 LB-INCHES

4) HOUSING/DIAPHRAGM MATERIAL: TITANIUM ALLOY..

3) WEIGHT: 5 GRAMS.

2) MOUNTING TORQUE FOR 6502 ADAPTOR: 50-60 LB-INCHES.

1) MOUNTING TORQUE FOR 2301C PROBE: 30 LB- INCHES.

| | | | | | |
|---|---------------------|------------------------------|---------------|-----------------|------------------|
| | | MASTER ONLY IF IN RED | | CHATSWORTH, CA. | |
| SCALE | 2X | REV | - | DATE | SEE REV BLOCK |
| DATE | 11/21/07 | PART NO. | | | |
| DRAWN | N.C. | CHECKED | R.A. | MAT'L | |
| APPROVED | <i>ces</i> 11.30.07 | | NEXT ASSEMBLY | USED ON | SERIES 2301C |
| TITLE | | | | | DWG NO. |
| OUTLINE/INSTALLATION DRAWING, MODEL SERIES 2301C | | | | | 127-2301C |
| | | | | | SHEET 1 OF 1 |



**SPECIFICATIONS MODEL SERIES 2301C
PROBE TYPE QUARTZ PIEZOELECTRIC PRESSURE SENSORS**

| SPECIFICATION | VALUE | UNITS |
|--|--------------------------|--------------|
| SENSITIVITY (all models) | 0.35 | pC/PSI |
| RANGE | | |
| MODEL | | |
| 2301C1 | 100 | PSI |
| 2301C2 | 500 | PSI |
| 2301C3 | 1,000 | PSI |
| 2301C4 | 3,000 | PSI |
| 2301C5 | 5,000 | PSI |
| 2301C6 | 10,000 | PSI |
| 2301C7 | 15,000 | PSI |
| MAXIMUM PRESSURE (all mods. except 2301C7) | 15,000 | PSI |
| MAXIMUM PRESSURE MODEL 2301C7 | 18,000 | PSI |
| RESONANT FREQUENCY, NOM. | 500 | KHz |
| CAPACITANCE, TYP. | 8.0 | pF |
| RISE TIME, NOM. | 1.0 | μSEC |
| ACCELERATION SENSITIVITY, AXIAL DIRECTION | .002 | PSI/G |
| NON-LINEARITY, TYP. | +/-1.0 | % FS |
| TEMPERATURE RANGE | -100 to + 500 | °F |
| COEFFICIENT OF THERMAL SENSITIVITY | .01 | %/°F |
| MAXIMUM SHOCK | 10,000 | G |
| MAXIMUM VIBRATION | +/- 2500 | G |
| MATERIAL, HOUSING/DIAPHRAGM | Ti-6Al-4V TITANIUM ALLOY | |
| ELECTRICAL CONNECTOR | 10-32 | COAXIAL |
| ENVIRONMENTAL SEAL | TIG WELD/GLASS-TO-METAL | HERMETIC |
| WEIGHT | 6.5 | GRAMS |

[1] Over any calibrated full scale range within full scale range, zero based best fit straight line method.

[2] maximum flash temperature, short duration, 3000° F.