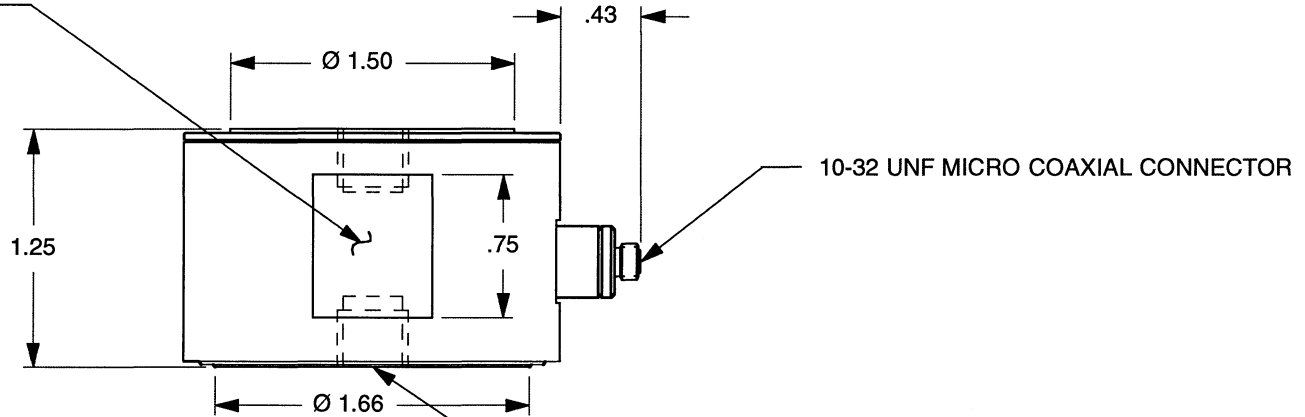


WRENCH FLATS, TYP 2
1.90 ACROSS FLATS

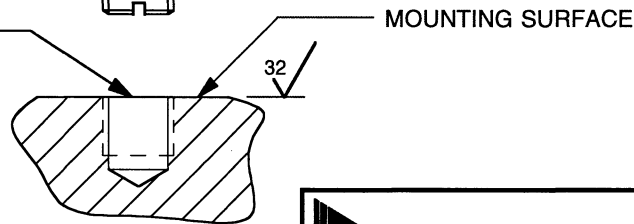


MODEL 6232 MOUNTING STUD
SUPPLIED

3/8-16 UNC X .300 DEEP MOUNTING HOLE
TYP TOP AND BOTTOM

MOUNTING PREPARATION

PREPARE FLAT SURFACE (TO .001 TIR)
NEXT DRILL 5/16 (Ø.312) X .320 DEEP
BOTTOM TAP 3/8-16 UNF-2B X .300 MIN
THREAD DEPTH



CHATSWORTH, CA.

EXCEPT AS OTHERWISE NOTED	
ALL DIMENSIONS IN INCHES	
TOLERANCE: .XXX ± ± .XX ± ±	
SURFACE FINISH EXCEPT AS NOTED	✓
BREAK EDGES TO DEBURR RADIUS OR CHAMFER	
△ THESE DIAS	⊙ TO T.I.R.
FILLETES -	MAX RAD.

SCALE	1X	REV	DATE	ECN		
DATE	2/16/96	PART NO.	1061C			
DRAWN	D.Z.	CHECKED	N.C			
APPROVED		NEXT ASSEMBLY	USED ON			
TITLE					DWG NO.	
OUTLINE/INSTALLATION DRAWING FORCE SENSOR, MODEL 1061C					127-1061C	
					SHEET 1 OF 1	

1. WEIGHT - 420 GRAMS

SPECIFICATIONS MODEL 1061C CHARGE MODE DYNAMIC FORCE SENSOR

SPECIFICATION	VALUE	UNITS
SENSITIVITY, NOMINAL	-9	pC/Lb
FULL SCALE RANGE, COMPRESSION	25,000	Lbs F
MAXIMUM COMPRESSION	40,000	Lbs F
FULL SCALE RANGE, TENSION	500	Lbs F
MAXIMUM TENSION	1000	Lbs F
RESONANT FREQUENCY, UNLOADED, NOM.	75,000	Hz
STIFFNESS	114	Lb F/In
LINEARITY [1]	+/- 1	%FS
MAX SHOCK, UNLOADED	5000	G's
MAXIMUM VIBRATION, UNLOADED	+/- 3000	G's
COEFFICIENT OF THERMAL SENSITIVITY	.01	%/° F
TEMPERATURE RANGE	-100 to +500	°F
INSULATION RESISTANCE	5.0 x 10 ¹¹	Ohms
CAPACITANCE, NOM.	650	pF
ENVIRONMENTAL SEAL	EPOXY	
CASE MATERIAL	STAINLESS STEEL	17-4 PH
HARDNESS OF MOUNTING SURFACES	Rc 44 to 45	
DIAMETER OF UPPER FORCE-SENSITIVE SURFACE	1.50	INCHES
UPPER ATTACHMENT PROVISION	TAPPED HOLE 3/8-16 x .300 DEEP	
POLARITY OF OUTPUT SIGNAL FOR COMPRESSIVE FORCE INPUT		NEGATIVE
MOUNTING PROVISION, TOP AND BOTTOM	3/8-16 x .300 DEEP TAPPED HOLE	
CONNECTOR	10-32 JACK RADially MOUNTED	
SIZE, HEIGHT x DIAMETER	1.25 x 2.00	INCHES
WEIGHT	420	GRAMS
ACCESSORIES SUPPLIED	(2) MODEL 6232 3/8-16 MOUNTING STUD	

[1] PERCENT FULL SCALE, ZERO-BASED BEST FIT STRAIGHT LINE METHOD.