



2. MATERIAL, HOUSING: 316L STAINLESS STEEL, CONNECTOR ADAPTOR: INCONEL 600.

\triangle 1. TORQUE MOUNTING SCREWS TO 20 LB-INCHES. LOCKWIRE IF DESIRED.

ALL PART NUMBER LETTERSUFFIXES ARE TOBE INTERPRETED ASFOLLOWS:

M - MACHINED ONLY (UNPLATED) G - MATERIAL HAS BEEN GRAINED
 P - PLATED/PAINTED S - MATERIAL HAS BEEN SAWCUT
 H - HEAT TREATED E - ENVIRONMENTAL TEST

EXCEPT AS OTHERWISE NOTED

ALL DIMENSIONS IN INCHES
 TOLERANCE: .XXX ± ± .XX ± ±

SURFACE FINISH
 EXCEPT AS NOTED \checkmark

BREAK EDGES TO DEBURR
 RADIUS OR CHAMFER

\triangle THESE DIAS \odot TO T.I.R.

FILLETS - MAX RAD.



CHATSWORTH, CA.

SCALE	1X	REV -	DATE -	ECN -
DATE	1/24/97	PART NO.	MODEL 3197C	
DRAWN	N.C.	CHECKED	N.C.	
APPROVED		NEXT ASSEMBLY	USED ON	3197C
TITLE	OUTLINE INSTALLATION DRAWING, MODEL 3197C HIGH TEMPERATURE ACCELEROMETER			DWG NO. 127-3197C
				SHEET 1 OF 1



SPECIFICATIONS, MODEL 3197C CHARGE MODE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	85	GRAMS
SIZE , FLANGE X HEIGHT X LENGTH	1.448 FLANGE. DIA x .80 x 2.10	INCHES
MOUNTING PROVISION	3-BOLT PATTERN, 1.188 DIA BOLT CIRCLE	
CONNECTOR, COAXIAL, RADIALLY MOUNTED	TNC JACK, HERMETIC	
CASE /CONNECTOR MATERIAL	STAINLESS STEEL, 300 SERIES	
PERFORMANCE		
SENSITIVITY	2.4 to 4.5	pC/G
RANGE F.S.	500	G's
FREQUENCY RESPONSE, $\pm 5\%$ [1]	to 2500	Hz
MOUNTED RESONANT FREQUENCY	>13	kHz
AMPLITUDE NON-LINEARITY (ZERO BASED BEST FIT ST.LINE METHOD)	2.0	% F.S., MAX.
TRANSVERSE SENSITIVITY, MAX.	5	PERCENT
STRAIN SENSITIVITY	.012	G's PER MICROSTRAIN @ 250/ $\mu\sigma$
ENVIRONMENTAL		
MAXIMUM VIBRATION	± 1000	G's,
MAXIMUM SHOCK	2000	G's, PEAK
TEMPERATURE RANGE	-65 TO +500	$^{\circ}$ F
THERMAL SENSITIVITY COEFFICIENT	.02	%/ $^{\circ}$ F
SEAL	WELDED/CERAMIC TO METAL	HERMETIC
ELECTRICAL		
CAPACITANCE, NOM.	465	pF
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP	NEGATIVE GOING	
CASE ISOLATION, MIN.	10	MEGOHMS

NOTES:

[1] LOW FREQUENCY RESPONSE IS A FUNCTION OF THE CHARGE AMPLIFIER DISCHARGE TIME CONSTANT.

SUPPLIED ACCESSORIES:

(3) MOUNTING SCREW, MODEL 6535 (8-32 UNC X 0.5 inch socket head cap screws).