



2 HOUSING & CONNECTOR MATERIAL: 300 SERIES STAINLESS STEEL.

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

ALL PART NUMBER LETTERSUFFIXES ARE TO BE INTERPRETED AS FOLLOWS:
 I.E. - 107-0000-01 (X)
 M - MACHINED ONLY (UNPLATED) G - MATERIAL HAS BEEN GRAINED
 P - PLATED/PAINTED S - MATERIAL HAS BEEN SAWCUT
 H - HEAT TREATED E - ENVIRONMENTAL TEST

REDRAWN ON CAD 11/18/96

EXCEPT AS OTHERWISE NOTED

ALL DIMENSIONS IN INCHES
 TOLERANCE: .XXX = ± .005 .XX = ± .01
 SURFACE FINISH EXCEPT AS NOTED $\sqrt{63}$
 BREAK EDGES TO DEBURR RADIUS OR CHAMFER .005

\triangle THESE DIAS \odot TO .005 T.I.R.

FILLETS - .005 MAX RAD.



CHATSWORTH, CA.

SCALE	1X	REV	A	DATE	3-29-99	ECN	2820
DATE	8-26-94		PART NO.				
DRAWN	N.C.	CHECKED	N.C.		MAT'L		
APPROVED				NEXT ASSEMBLY	USED ON		
TITLE						DWG NO.	
OUTLINE/INSTALLATION MODEL 3196C						127-3196C	
						SHEET 1 OF 1	

SPECIFICATIONS, MODEL 3196C 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, \pm 1.0	8.0	pC/G
RANGE F.S.	500	G's
FREQUENCY RESPONSE, +/- 5% [1]	to 2500	Hz
MOUNTED RESONANT FREQUENCY, NOM.	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/ μ
ENVIRONMENTAL		
MAXIMUM VIBRATION	\pm 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.	190	pF
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP	NEGATIVE GOING	

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).

AVAILABLE ACCESSORIES:

MODEL 6185 IMMERSION PROOF BOOT