



3. SEAL: HERMETIC.
2. CASE MATERIAL: 300 SERIES STAINLESS STEEL, NON-MAGNETIC.
1. WEIGHT: 14 GRAMS.

EXCEPT AS OTHERWISE NOTED	
ALL DIMENSIONS IN INCHES TOLERANCE: .XXX = ± .005 .XX = ± .01	
SURFACE FINISH EXCEPT AS NOTED 63 ✓	
BREAK EDGES TO DEBURR .003 MAX RADIUS OR CHAMFER	
1 THESE DIAS ⊙ TO .002 T.I.R.	
FILLET - .003 MAX RAD.	



CHATSWORTH, CA.

SCALE	2X	REV	-	DATE	-	ECN	-
DATE	9/27/00		PART NO.		3152C2		
DRAWN	N.C.	CHECKED	R.A.	MAT'L			
APPROVED				NEXT ASSEMBLY	USED ON		
TITLE					MODEL 3152C2		
OUTLINE/INSTALLATION DRAWING, MODEL 3152C2					DWG NO.		
					127-3152C2		
					SHEET 1 OF 1		

SPECIFICATIONS

MODEL 3152C2 CHARGE MODE PIEZOELECTRIC ACCELEROMETER

SPECIFICATION	VALUE	UNITS
RANGE, F.S. { 1 }	1000	G
SENSITIVITY, +20%/-10%	-2.0	pC/G
FREQUENCY RESPONSE, +/- 5% { 2 }	2 to 5000	Hz
MOUNTED RESONANT FREQUENCY	25	kHz
AMPLITUDE LINEARITY	+/- 2	% FS
TRANSVERSE SENSITIVITY, MAX.	5	%
CAPACITANCE, NOM.	2300	pF
OPERATING TEMPERATURE RANGE	-65 to +500	°F
COEFFICIENT OF THERMAL SENSITIVITY	.04	%/°F
MAXIMUM SHOCK	3000	G's, PK
MAXIMUM VIBRATION	±700	G
OUTPUT SIGNAL POLARITY (FOR ACCELERATION TOWARDS TOP)		NEGATIVE
SIZE, HEX X HEIGHT	0.50 X 0.93	IN.
WEIGHT	14	GRAMS
CONNECTOR, TOP MOUNTED	10-32	COAXIAL
ELECTRICAL GROUNDING	CASE IS GROUND RETURN	
MOUNTING PROVISION	0.15 DEEP TAPPED HOLE IN BASE	10-32
CASE MATERIAL	STAINLESS STEEL, NON-MAGNETIC 300 SERIES	
ENVIRONMENTAL SEAL	HERMETIC (WELDED, GLASS-TO-METAL)	

ACCESSORIES SUPPLIED: (1) MODEL 6200 MOUNTING STUD

NOTES:

{ 1 } FULL SCALE RANGE FOR ±5 V OUT IS DEPENDENT UPON THE RANGE SETTING OF THE CHARGE AMPLIFIER

{ 2 } LOW FREQUENCY RESPONSE IS DETERMINED BY THE DISCHARGE TIME CONSTANT (TC) OF THE CHARGE AMPLIFIER.