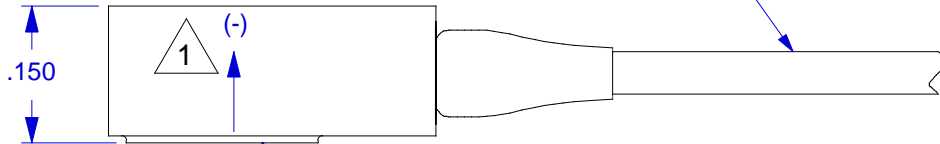
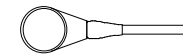


PERMANENTLY ATTACHED
CABLE, LENGTH 3 FT.

6109 10-32 COAXIAL CONNECTOR, JACK
(INCLUDED, INSTALLED)



MOUNTING SURFACE
ADHESIVE MOUNT WITH CYNOACRYLATE
ADHESIVE OR DYTRAN MOUNTING WAX -
MODEL 6273



ACTUAL SIZE

3. CASE AND CONNECTOR MATERIAL: TITANIUM.
2. WEIGHT LESS CABLE: 0.6 GRAMS.

1 ARROW INDICATES SENSE AND
DIRECTION OF INPUT ACCELERATION
FOR NEGATIVE GOING OUTPUT
SIGNAL.

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.
FILLET -	MAX RAD.

		CHATSWORTH, CA.			
		SCALE	5X	REV -	DATE -
DATE		10/2/01	PART NO.		
DRAWN		N.C.	CHECKED		R.A.
APPROVED		NEXT ASSEMBLY		USED ON	
TITLE					DWG NO.
OUTLINE/INSTALLATION DRAWING, MODEL 3225F					127-3225F
					SHEET 1 OF 1



SPECIFICATIONS

MODEL 3225F MINIATURE VOLTAGE MODE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	0.6	GRAMS
SIZE (DIA x LENGTH HEX x HEIGHT)	0.25 x 0.36 x .150	INCHES
MOUNTING PROVISION	FLAT MOUNTING SURFACE FOR ADHESIVE MOUNT	
CONNECTOR, COAXIAL	10-32 JACK AT END OF FIXED 3 FT. CABLE	
CASE MATERIAL	TITANIUM	
SENSING ELEMENT	PLANAR SHEAR QUARTZ	
PERFORMANCE		
SENSITIVITY [1] [2]	10.0	mV/G
RANGE F.S.	500	G's
FREQUENCY RESPONSE, $\pm 10\%$ [3]	1.6 to 10,000	Hz
MOUNTED RESONANT FREQUENCY, NOM.	40	kHz
EQUIVALENT ELECTRICAL NOISE FLOOR	.007	G's RMS
AMPLITUDE NON-LINEARITY (ZERO BASED BEST FIT ST.LINE METHOD)	2.0	% F.S., MAX.
TRANSVERSE SENSITIVITY, MAX.	5	PERCENT
STRAIN SENSITIVITY	.0005	G's PER MICROSTRAIN @ 250/ μ
ENVIRONMENTAL		
MAXIMUM VIBRATION	400	G's, RMS
MAXIMUM SHOCK	5000	G's, PEAK
TEMPERATURE RANGE	-60 TO 250	$^{\circ}$ F
THERMAL COEFFICIENT OF SENSITIVITY	.03	% $^{\circ}$ F
ENVIRONMENTAL SEAL	EPOXY	
ELECTRICAL		
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE [3]	2 to 20/+18 to +30	mA/Volts
OUTPUT IMPEDANCE, TYP.	100	Ohms
BIAS VOLTAGE, +10 VOLTS NOM.	+9 to +11	VDC
DISCHARGE TIME CONSTANT, NOM.	0.3	Sec
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP	Positive	
CASE GROUNDING	Case is grounded to electrical power ground	

SUPPLIED ACCESSORIES:

[1] MODEL 6192 INSTALLATION REMOVAL WRENCH

NOTES:

- [1] MEASURED AT 100 Hz, 1 G RMS
- [2] ACTUAL SENSITIVITY IS GIVEN ON A CALIBRATION CERTIFICATE TRACEABLE TO **NIST**, SUPPLIED WITH EACH INSTRUMENT.
- [3] DO NOT APPLY POWER TO THIS DEVICE WITHOUT CURRENT LIMITING, 20 mA MAX. TO DO SO WILL DESTROY THE INTEGRAL IC AMPLIFIER