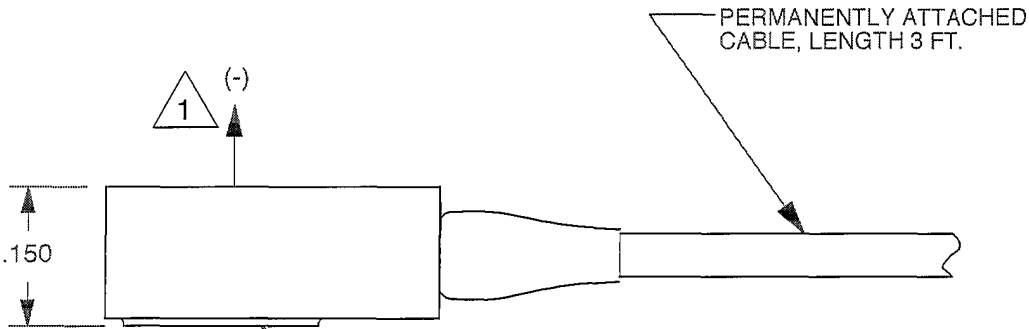
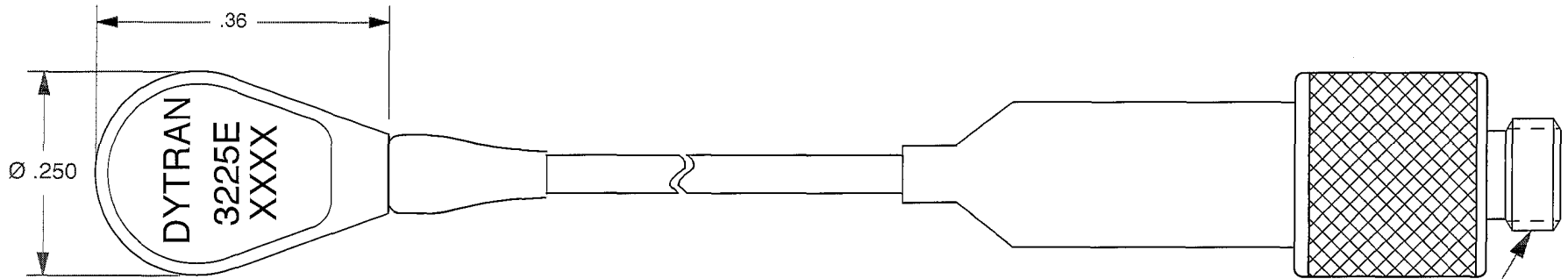
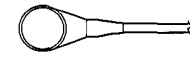


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	6001	SEE ECN	RLA 7/08/09	EP	DV
B	9989	UPDATED VIEW OF CONNECTOR	AB 06/03/13	<i>AB</i>	<i>DV</i>



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



ACTUAL SIZE

- CASE AND CONNECTOR MATERIAL: TITANIUM.
- 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 <input checked="" type="checkbox"/>	
BREAK EDGES TO DEBURR RADIUS OR CHAMFER	
THESE DIAS TO T.I.R.	
FILLETES -	MAX RAD.

DYTRAN INSTRUMENTS, INC.		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE	5X	REV	-	DATE	SEE REV BLK
DATE	10/2/01	PART NO.			
DRAWN	N.C.	CHECKED	R.A.	MAT'L	
APPROVED	N.C.	10/7/02	NEXT ASSEMBLY	USED ON	
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL 3225E				127-3225E	
				SHEET 1 OF 1	

SPECIFICATIONS

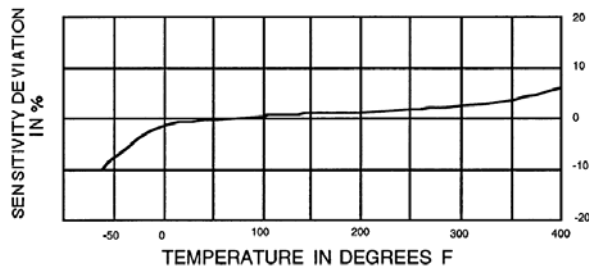
MODEL 3225E MINIATURE CHARGE MODE ACCELEROMETER

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 PIEZOCERAMIC	
PERFORMANCE		
SENSITIVITY, $\pm 20\%$ [2] [3]	2.0	pC/G
FREQUENCY RESPONSE, $\pm 10\%$	[3] to 10,000	Hz
MOUNTED RESONANT FREQUENCY, NOM.	40	kHz
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/ $\mu\sigma$
ENVIRONMENTAL		
MAXIMUM VIBRATION	400	G's, RMS
MAXIMUM SHOCK	5000	G's, PEAK
TEMPERATURE RANGE	-60 TO 350	$^{\circ}$ F
MAXIMUM SURVIVAL TEMPERATURE	+400	$^{\circ}$ F
THERMAL COEFFICIENT OF SENSITIVITY	SEE CHART BELOW	
ENVIRONMENTAL SEAL	EPOXY	
ELECTRICAL		
CAPACITANCE INCLUDING ATTACHED 3 FT CABLE	490	pF
INSULATION RESISTANCE @ R.T.	5×10^8 MIN.	OHMS
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP	NEGATIVE GOING	
CASE GROUNDING	CASE IS GROUNDED	

SUPPLIED ACCESSORIES:

- [1] MODEL 6591A INSTALLATION REMOVAL WRENCH
- [1] MODEL 6298 SMALL PETRO WAX

TYPICAL THERMAL SENSITIVITY GRAPH



NOTES:

- [1] MEASURED AT 100 Hz, 1 G RMS
- [2] A CALIBRATION CERTIFICATE TRACEABLE TO **NIST** IS SUPPLIED WITH EACH INSTRUMENT.
- [3] LOW FREQUENCY RESPONSE IS DEPENDENT UPON THE DISCHARGE TIME CONSTANT OF THE CHARGE AMPLIFIER.