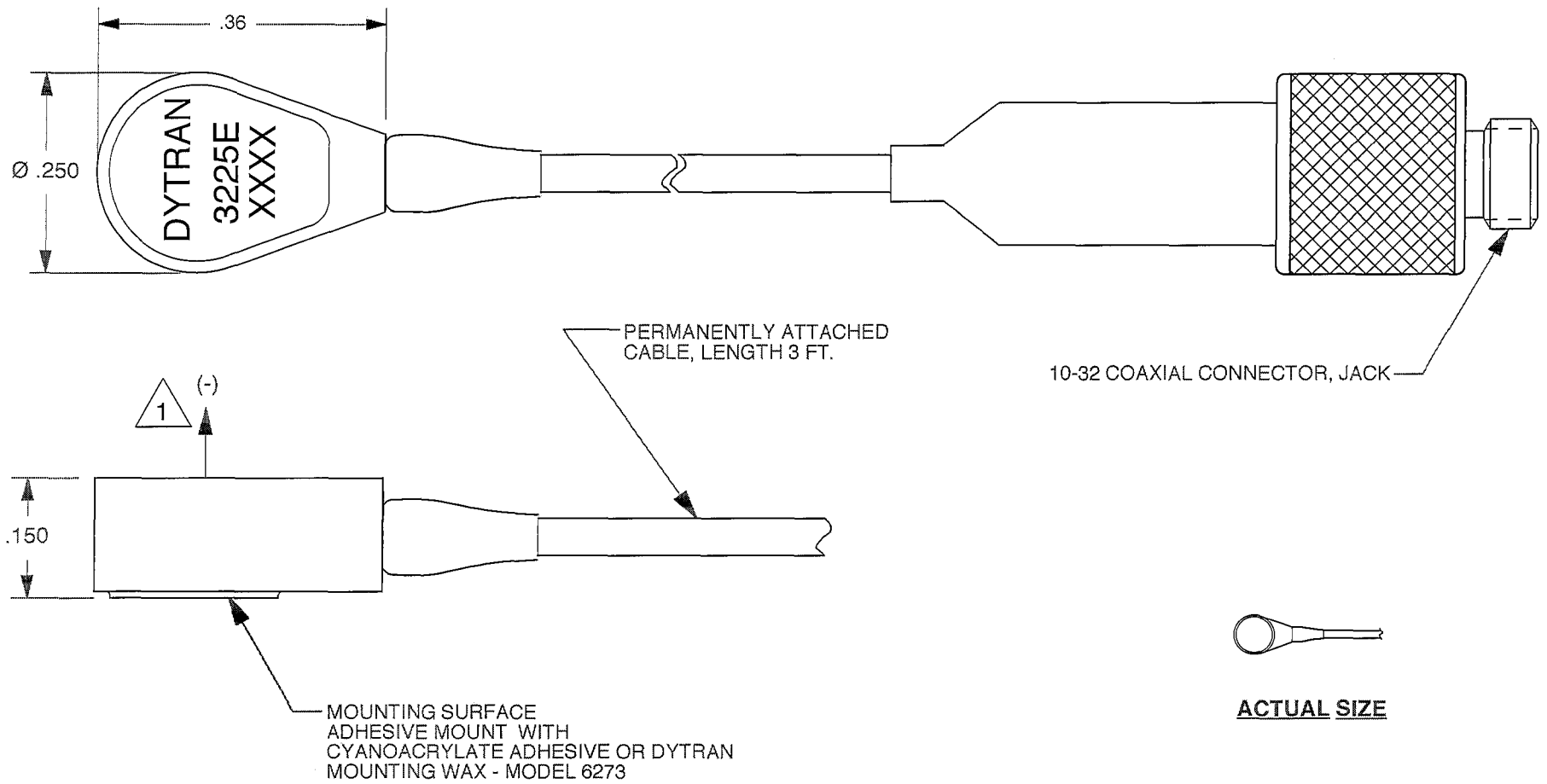


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	6001	SEE ECN	RLA 7/08/09	EP	DV
B	9989	UPDATED VIEW OF CONNECTOR	AB 06/03/13	<i>AB</i>	<i>DV</i>



- 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.

FILLETS - MAX RAD.

<b>DYTRAN</b> INSTRUMENTS, INC.		<b>MASTER</b> ONLY IF IN RED		CHATSWORTH, CA.	
SCALE 5X	REV -	DATE SEE REV BLK	ECN -		
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 <b>OUTLINE/INSTALLATION DRAWING, MODEL 3225E</b>			DWG NO. <b>127-3225E</b>		
SHEET 1 OF 1					

# SPECIFICATIONS

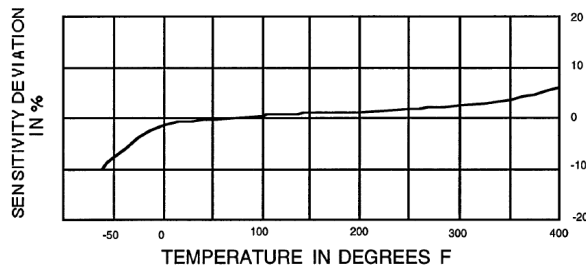
## MODEL 3225E MINIATURE CHARGE MODE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
<b>PHYSICAL</b>		
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	
<b>PERFORMANCE</b>		
SENSITIVITY, $\pm 20\%$ [2] [3]	2.0	pC/G
FREQUENCY RESPONSE, $\pm 10\%$	[3] to 10,000	Hz
MOUNTED RESONANT FREQUENCY	>60	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/ $\mu\sigma$
<b>ENVIRONMENTAL</b>		
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	
<b>ELECTRICAL</b>		
CAPACITANCE INCLUDING ATTACHED 3 FT CABLE	490	pF
INSULATION RESISTANCE @ R.T.	$5 \times 10^8$ 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.