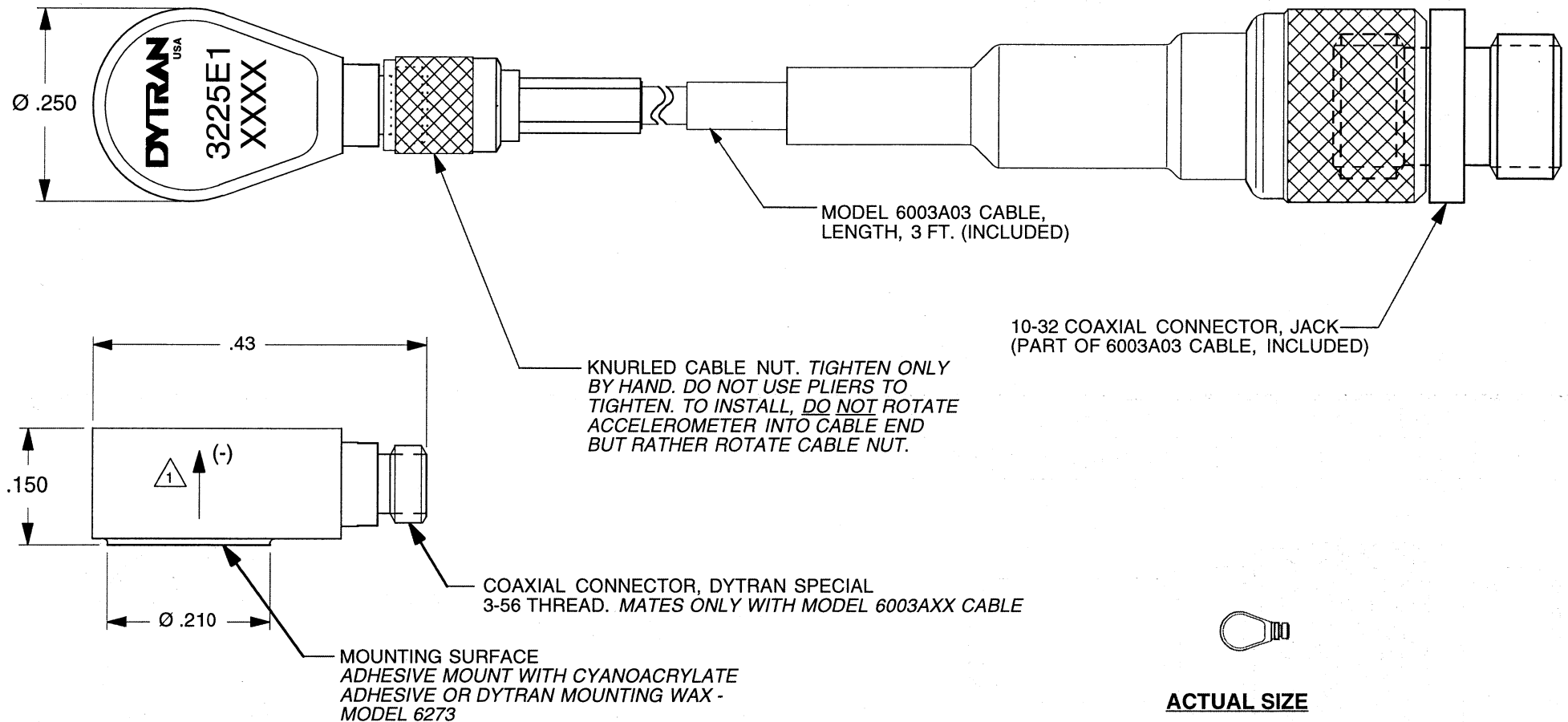


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	5928	INCORRECT POLARITY	JS 04/17/09	<i>[Signature]</i>	AWS



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 = \pm .XX = \pm

SURFACE FINISH
EXCEPT AS NOTED

BREAK EDGES TO DEBURR
RADIUS OR CHAMFER

THESE DIAS \odot TO

FILLETS - MAX RAD.

T.I.R.



**MASTER
ONLY IF IN RED**

CHATSWORTH, CA.

SCALE 5X	REV -	DATE 9/24/01	ECN SEE REV BLK		
DATE 9/24/01	PART NO.				
DRAWN N.C.	CHECKED R.A.	MAT'L			
APPROVED	NEXT ASSEMBLY	USED ON			
TITLE OUTLINE/INSTALLATION DRAWING, MODEL 3225E1			DWG NO. 127-3225E1		
			SHEET 1 OF 1		



Dynamic Transducers and Systems
21592 Marilla St. • Chatsworth, CA 91311 • Phone 818-700-7818
www.dytran.com • e-mail: info@dytran.com

SPECIFICATIONS

MODEL 3225E1 MINIATURE CHARGE MODE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	0.6	GRAMS
SIZE (DIA x LENGTH HEX x HEIGHT)	0.25 x 0.43 x .150	INCHES
MOUNTING PROVISION	FLAT MOUNTING SURFACE FOR ADHESIVE MOUNT	
CONNECTOR, RADIALLY MOUNTED [1]	3-56	JACK
CASE MATERIAL	TITANIUM	
SENSING ELEMENT TYPE	PIEZOCERAMIC PLANAR SHEAR	
PERFORMANCE		
SENSITIVITY, $\pm 20\%$ [2] [3]	1.8	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	°F
THERMAL COEFFICIENT OF SENSITIVITY	SEE GRAPH THIS PAGE	
ENVIRONMENTAL SEAL	HERMETIC	
ELECTRICAL		
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP CASE GROUNDING	Case is grounded	Negative

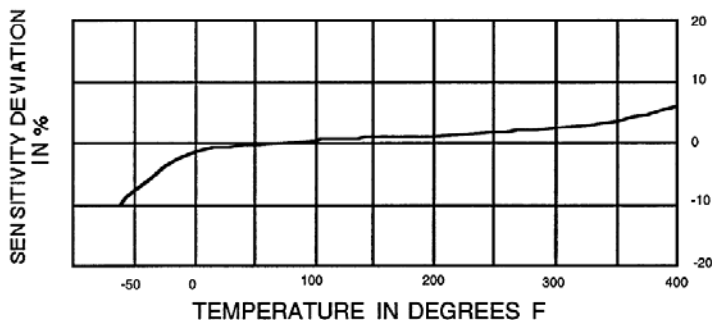
SUPPLIED ACCESSORIES:

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

NOTES:

- [1] CONNECTOR MATES ONLY WITH DYTRAN CABLE MODEL 6003AXX. (XX IS LENGTH IN FEET)
- [2] MEASURED AT 100 Hz, 1 G RMS PER ISA RP37.2.
- [3] ACTUAL SENSITIVITY IS GIVEN ON A CALIBRATION CERTIFICATE TRACEABLE TO **NIST**, SUPPLIED WITH EACH INSTRUMENT.
LOW FREQUENCY RESPONSE IS DEPENDENT UPON THE DISCHARGE TIME CONSTANT OF THE CHARGE AMPLIFIER.

TYPICAL THERMAL SENSITIVITY GRAPH



OPERATING INSTRUCTIONS