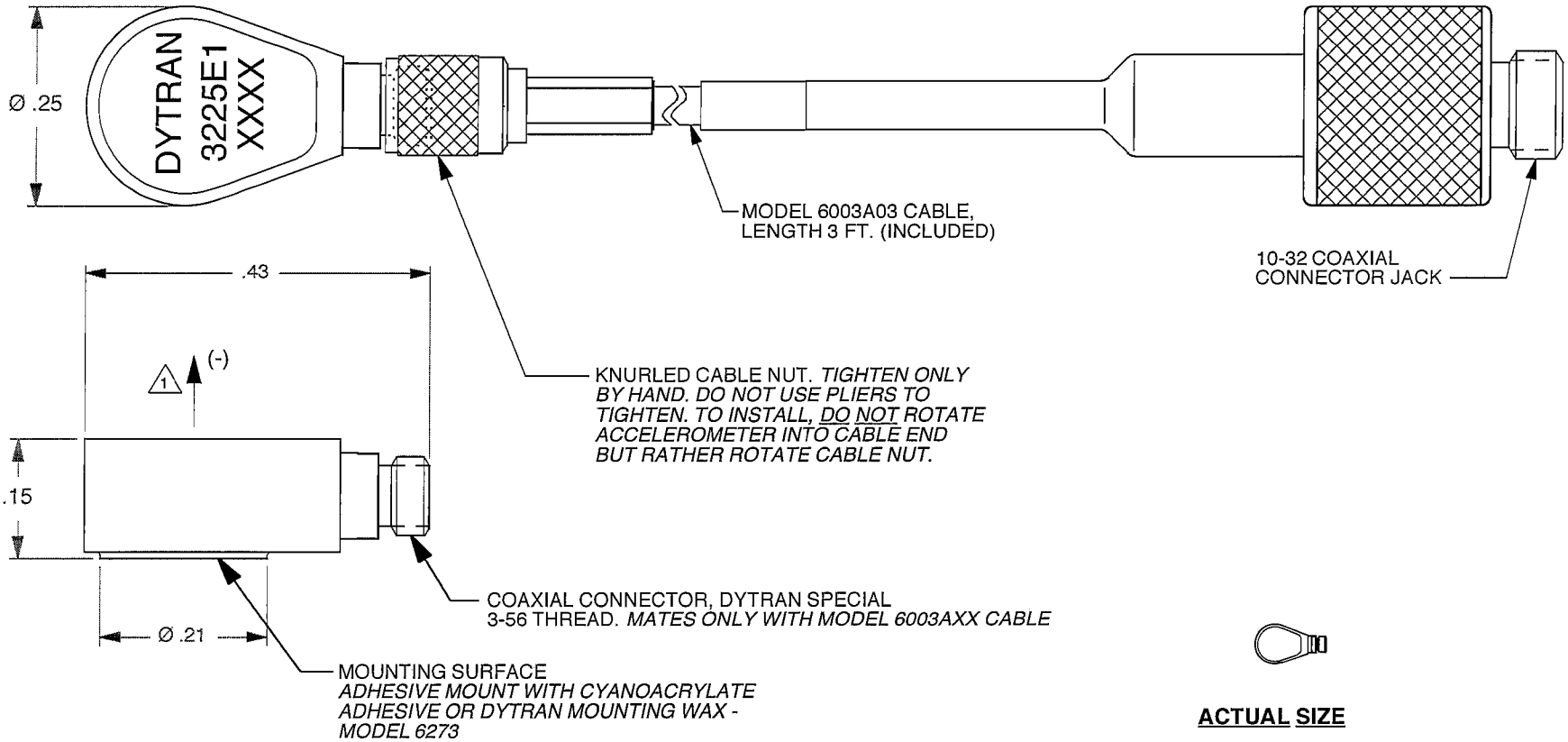


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	6001	SEE ECN	RA07/08/09	DV	ANS
D	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	RA	AS



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.

DYTRAN INSTRUMENTS, INC.		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE	5X	REV	-	DATE	SEE REV BLK
DATE	9/24/01	PART NO.			
DRAWN	N.C.	CHECKED	R.A.	MAT'L	
APPROVED	PML	8/08/06	NEXT ASSEMBLY	USED ON	
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL 3225E1				127-3225E1	
				SHEET 1 OF 1	



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, ±20% [2] [3]	1.8	pC/G
FREQUENCY RESPONSE, ± 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/μσ
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		Negative
CASE GROUNDING	Case is grounded	

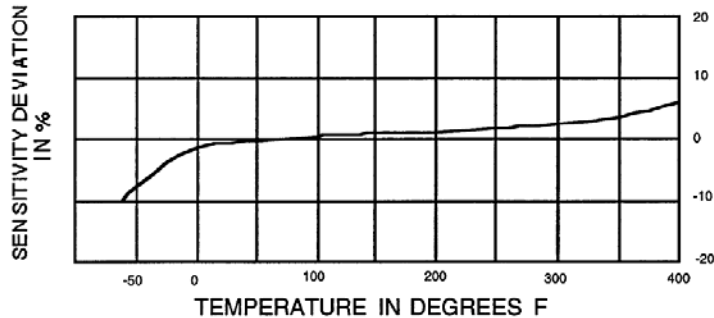
SUPPLIED ACCESSORIES:

- [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