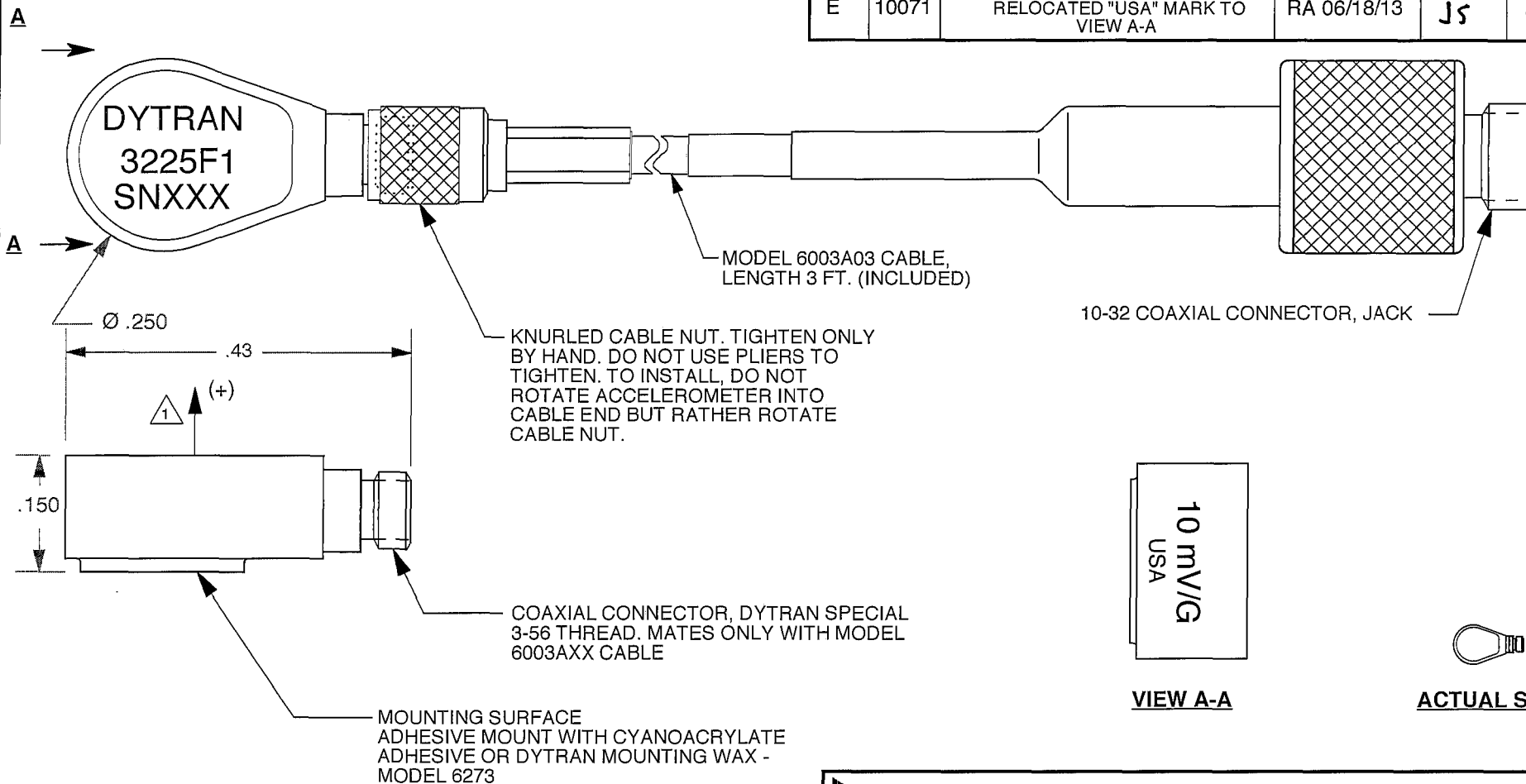


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	6001	SEE ECN	RLA 7/08/09	EP	DV
D	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	JS	DV
E	10071	RELOCATED "USA" MARK TO VIEW A-A	RA 06/18/13	JS	AS



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

1 ARROW INDICATES SENSE AND DIRECTION OF INPUT ACCELERATION FOR POSITIVE 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.	10/07/02	NEXT ASSEMBLY		USED ON	
TITLE <b>OUTLINE/INSTALLATION DRAWING, MODEL 3225F1</b>				DWG NO. <b>127-3225F1</b>	
				SHEET 1 OF 1	

# SPECIFICATIONS

## MODEL 3225F1 MINIATURE LIVM ACCELEROMETER

SPECIFICATION	VALUE	UNITS
<b>PHYSICAL</b>		
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	Quartz, planar shear	
<b>PERFORMANCE</b>		
SENSITIVITY, ±10% [2] [3]	10.0	mV/G
RANGE F.S. FOR ± 5 VOLTS OUT	±500	G's
FREQUENCY RESPONSE, ± 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)	1.0	% F.S., MAX.
TRANSVERSE SENSITIVITY, MAX.	5	PERCENT
STRAIN SENSITIVITY	.0005	G's per microstrain @ 250/μσ
<b>ENVIRONMENTAL</b>		
MAXIMUM VIBRATION	400	G's, RMS
MAXIMUM SHOCK	5000	G's, PEAK
TEMPERATURE RANGE	-60 TO 250	°F
THERMAL COEFFICIENT OF SENSITIVITY	.03	%/°F
ENVIRONMENTAL SEAL	Hermetic, TIG welded & glass-to-metal seal connector	
<b>ELECTRICAL</b>		
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE [4]	2 to 20/+18 to +30	mA/Volts
OUTPUT IMPEDANCE, TYP.	100	Ohms
BIAS VOLTAGE, +10 VOLTS	+7 to +11	VDC
DISCHARGE TIME CONSTANT	0.3 to 1.0	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] 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.
- [4] DO NOT APPLY POWER TO THIS DEVICE WITHOUT CURRENT LIMITING, 20 mA MAX. TO DO SO WILL DESTROY THE INTEGRAL IC AMPLIFIER.