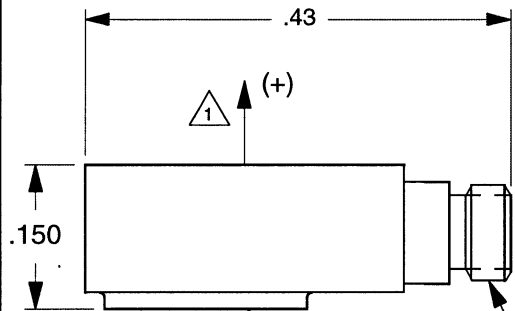
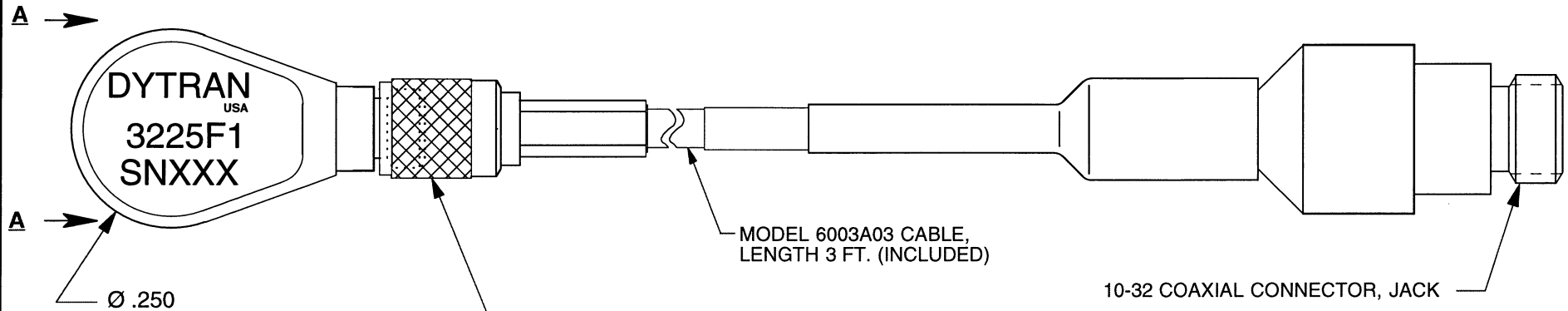


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	6069	ROTATED MARKING 90° CW ADDED VIEW A-A	RLA 7/06/09	<i>PL</i>	<i>AWS</i>



KNURLED CABLE NUT. TIGHTEN ONLY BY HAND. DO NOT USE PLIERS TO TIGHTEN. TO INSTALL, DO NOT ROTATE ACCELEROMETER INTO CABLE END BUT RATHER ROTATE CABLE NUT.

MODEL 6003A03 CABLE, LENGTH 3 FT. (INCLUDED)

10-32 COAXIAL CONNECTOR, JACK

COAXIAL CONNECTOR, DYTRAN SPECIAL 3-56 THREAD. MATES ONLY WITH MODEL 6003AXX CABLE

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



VIEW A-A



ACTUAL SIZE

- 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 <i>J</i>	
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	10/2/01	PART NO.			
DRAWN	N.C.	CHECKED	R.A.	MAT'L	
APPROVED	N.C.	10/07/02	NEXT ASSEMBLY	USED ON	
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL 3225F1				127-3225F1	
				SHEET 1 OF 1	

SPECIFICATIONS

MODEL 3225F1 MINIATURE LIVM 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	Quartz, planar shear	
PERFORMANCE		
SENSITIVITY, $\pm 10\%$ [2] [3]	10.0	mV/G
RANGE F.S. FOR ± 5 VOLTS OUT	± 500	G's
FREQUENCY RESPONSE, $\pm 10\%$ [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)	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 250	$^{\circ}$ F
THERMAL COEFFICIENT OF SENSITIVITY	.03	$\%/^{\circ}$ F
ENVIRONMENTAL SEAL	Hermetic, TIG welded & glass-to-metal seal connector	
ELECTRICAL		
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 0.5	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.