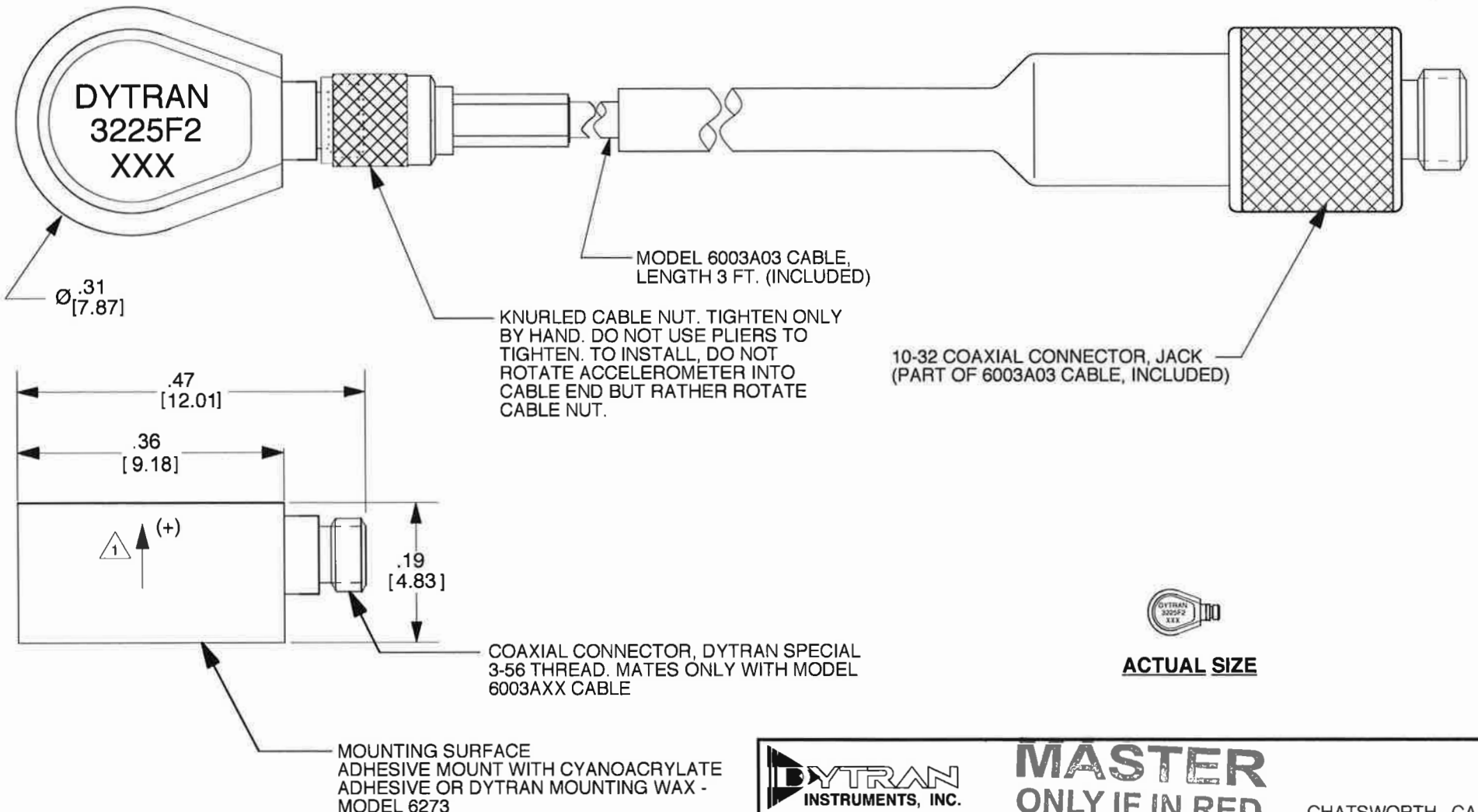


REV	ECN	DESCRIPTION	BY/DATE	CHK	APP
B	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	JS	AS
C	11386	ADDED HOUSING LENGTH	MH 10/28/14	LN	AS



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.

10-32 COAXIAL CONNECTOR, JACK (PART OF 6003A03 CABLE, INCLUDED)

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



- 3. CASE MATERIAL: ANODIZED ALUMINUM.
- 2. WEIGHT LESS CABLE: 1 GRAM.

1 ARROW INDICATES SENSE AND DIRECTION OF INPUT ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL.

<b>DYTRAN</b> INSTRUMENTS, INC.		<b>MASTER</b> ONLY IF IN RED		CHATSWORTH, CA.	
SCALE	5X	REV	DATE	ECN	SEE REV BLOCK
DATE	10/20/05	PART NO.			
DRAWN	R.A.	CHECKED		MAT'L	
APPROVED	<i>LN</i> 10/6/14	NEXT ASSEMBLY		USED ON	
TITLE				DWG NO.	
<b>OUTLINE/INSTALLATION DRAWING, MODEL 3225F2</b>				<b>127-3225F2</b>	
				SHEET 1 OF 1	

## SPECIFICATIONS

### MODEL 3225F2 MINIATURE LIVM ACCELEROMETER

SPECIFICATION	VALUE	UNITS
<b>PHYSICAL</b>		
WEIGHT	1	gram
SIZE (DIA x LENGTH HEX x HEIGHT)	0.31 x 0.48 x .19	inch
MOUNTING PROVISION	Flat mounting surface for adhesive mount	
CONNECTOR, RADially MOUNTED [1]	3-56	
CASE MATERIAL	Aluminum, anodized	
SENSING ELEMENT TYPE	Quartz, planar shear	
<b>PERFORMANCE</b>		
SENSITIVITY, ±10% [2] [3]	10	mV/g
RANGE F.S. FOR ± 5 VOLTS OUT	±500	g
FREQUENCY RESPONSE, ± 5% [3]	2 to 5,000	Hz
± 10% [3]	2 to 10,000	Hz
MOUNTED RESONANT FREQUENCY, NOM.	40	kHz
EQUIVALENT ELECTRICAL NOISE FLOOR	.006	grms
AMPLITUDE NON-LINEARITY, MAX. (ZERO BASED BEST-FIT ST.LINE METHOD)	±1	% F.S.,
TRANSVERSE SENSITIVITY, MAX.	5	%
STRAIN SENSITIVITY @ 250µε	.05	g/µε
<b>ENVIRONMENTAL</b>		
MAXIMUM VIBRATION	400	grms
MAXIMUM SHOCK	5000	gpk
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 [4]	2 to 20	mA
COMPLIANCE VOLTAGE RANGE	+18 to +30	Volts
OUTPUT IMPEDANCE, TYP.	70	Ω
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 ISOLATION, MIN	10	MΩ

#### 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 grms 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.