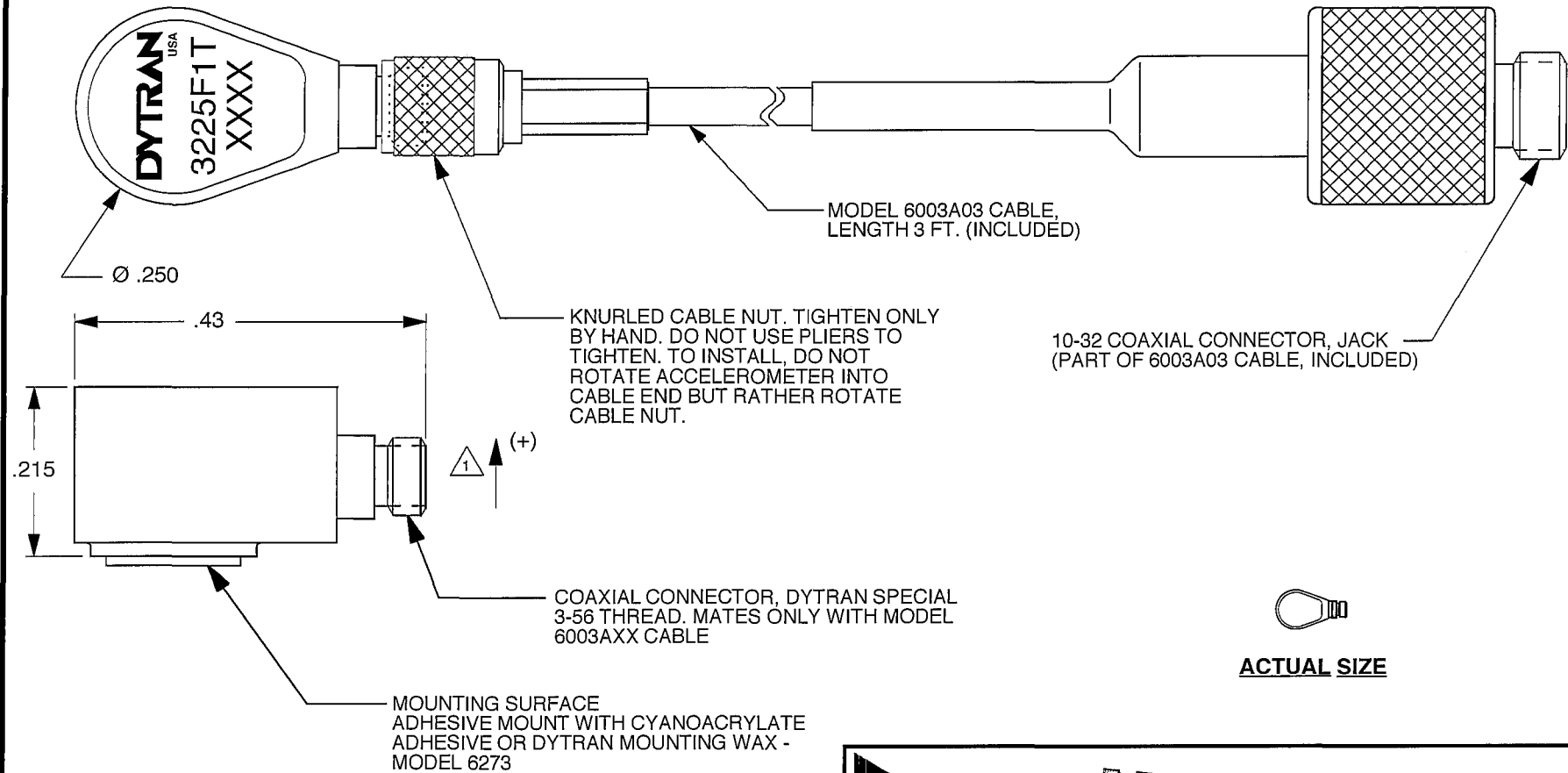


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	6955	SEE ECN	RLA 07/20/10	DV	ANS
C	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	<i>AB</i>	<i>AS</i>



3. CASE AND CONNECTOR MATERIAL: TITANIUM.
2. WEIGHT LESS CABLE: 0.85 GRAMS.

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

DYTRAN INSTRUMENTS, INC.		MASTER ONLY IF IN USE		CHATSORTH, CA.	
SCALE	5X	REV	DATE	ECN	REV BLOCK
DATE	2/22/05	PART NO.			
DRAWN	N.C.	CHECKED	R.A.	MAT'L	
APPROVED	PML	3/31/05	NEXT ASSEMBLY	USED ON	
TITLE				DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL 3225F1T				127-3225F1T	
				SHEET 1 OF 1	

SPECIFICATIONS

MODEL 3225F1T MINIATURE LIVM ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	0.85	GRAMS
SIZE (DIA x LENGTH HEX x HEIGHT)	0.25 x 0.43 x .215	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, ±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	>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
ENVIRONMENTAL		
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	
ELECTRICAL		
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE [4]	2 to 20/+18 to +30	mA/Volts
OUTPUT IMPEDANCE, TYP.	100	Ohms
BIAS VOLTAGE	+7 to +9	VDC
DISCHARGE TIME CONSTANT	0.3 to 0.6	Sec
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP		Positive
CASE GROUNDING	Case is grounded to electrical power ground	
IEPE sensor with TEDS feature	Per IEEE 1451.4	

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.

OPERATING INSTRUCTIONS