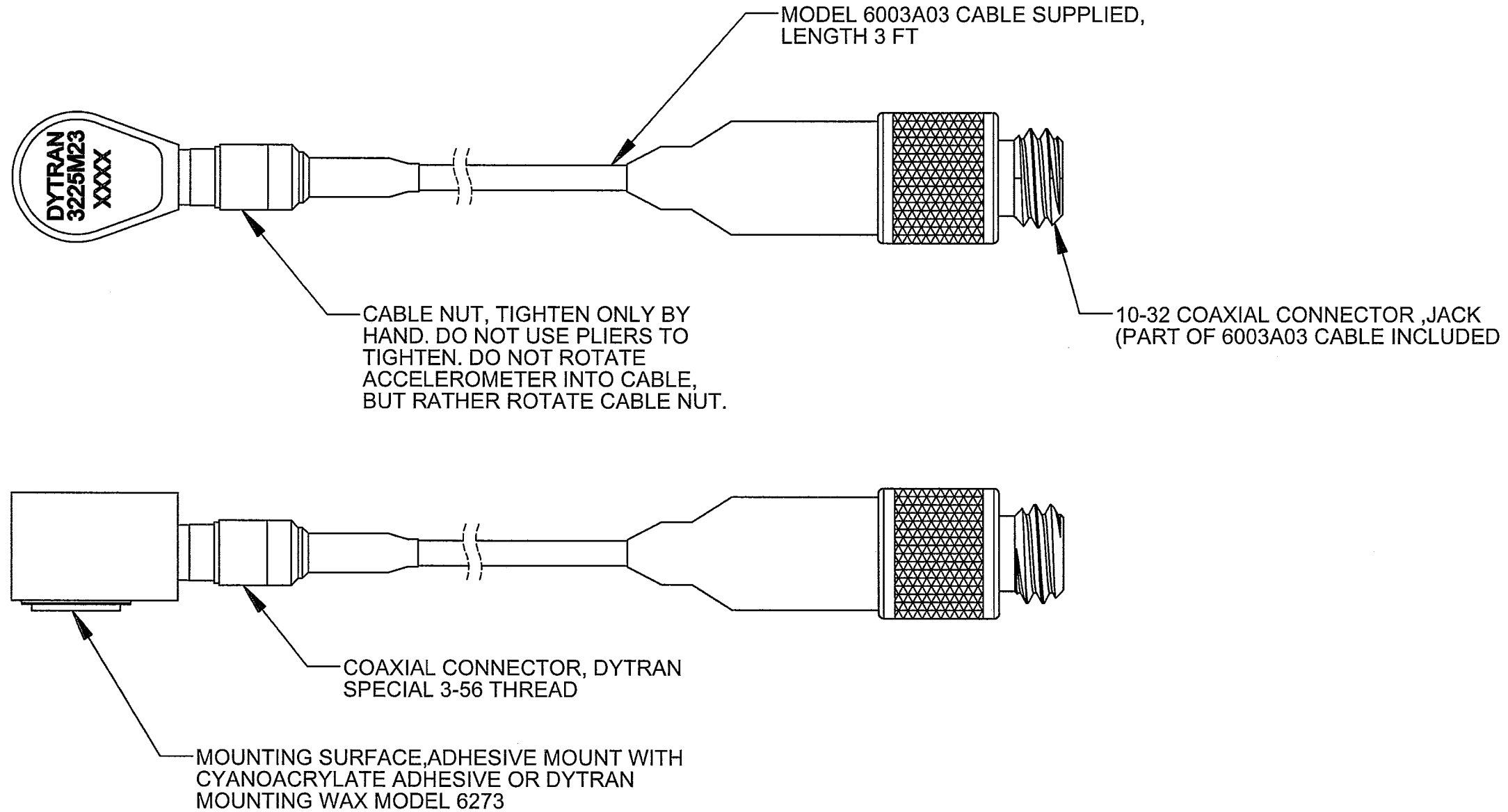


REVISIONS				
REV.	ECN	DESCRIPTION	BY/DATE	CHK APPR
B	5081	MARKING WAS ON SIDES	JS 03/02/08	PML PML
C	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	14 ✓



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.

NOTES: UNLESS OTHERWISE SPECIFIED

DRILL HOLE SIZE	TOLERANCE	UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING
.0135 THRU .125	+.004 / -.001	ALL MACHINED SURFACES. TOTAL RUNOUT WITHIN .005. BREAK SHARP EDGES .005 TO .010. MACHINED FILLET RADII .005 TO .015. WELDING SYMBOLS PER AWS A2.4. ABBREVIATIONS PER MIL-STD-12.
.1260 THRU .250	+.005 / -.001	
.2510 THRU .500	+.006 / -.001	
.5010 THRU .750	+.008 / -.001	
.7510 THRU 1.000	+.010 / -.001	
1.001 THRU 2.000	+.012 / -.001	

THIRD ANGLE PROJECTION USA

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		CONTRACT NO.	
DECIMALS .XX ± .010 .XXX ± .005	ANGLES ± 1°	APPROVALS	DATE
MATERIAL:		ORIG JS	02/01/08
FINISH:		CHK CES	02/13/08
DO NOT SCALE DRAWING		APP DV	02/14/08
		APP	5/8/13

**DYTRAN INSTRUMENTS, INC.** MASTER ONLY IF IN RED Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION DRAWING M3225M23**

SIZE <b>B</b>	CAGE CODE <b>2W033</b>	DWG NO <b>127-3225M23</b>	REV <b>C</b>
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SCALE: NONE SOLIDWORKS SHEET 1 of 1



**SPECIFICATIONS**  
**MODEL 3225M23 MINIATURE IEPE ACCELEROMETER**

<b>SPECIFICATION</b>	<b>VALUE</b>	<b>UNITS</b>
<b>PHYSICAL</b>		
WEIGHT	1	gram
SIZE (DIA x LENGTH HEX x HEIGHT)	0.25 x 0.43 x .215	inch
MOUNTING PROVISION	Flat mounting surface for adhesive mount	
CONNECTOR, RADIALLY MOUNTED [1]	3-56	
CASE MATERIAL	Titanium	
SENSING ELEMENT TYPE	Piezoceramics, planar shear	
<b>PERFORMANCE</b>		
SENSITIVITY, $\pm 10\%$ [2] [3]	50	mV/g
RANGE F.S. FOR $\pm 5$ VOLTS OUT	$\pm 100$	g
FREQUENCY RESPONSE, $\pm 10\%$ [3]	2 to 10,000	Hz
MOUNTED RESONANT FREQUENCY	>40	kHz
EQUIVALENT ELECTRICAL NOISE FLOOR	.0005	grms
AMPLITUDE NON-LINEARITY, (ZERO BASED BEST-FIT ST.LINE METHOD)	2	% F.S., MAX.
TRANSVERSE SENSITIVITY, MAX.	5	%
STRAIN SENSITIVITY @ 250 $\mu\epsilon$	.05	g/ $\mu\epsilon$
<b>ENVIRONMENTAL</b>		
MAXIMUM VIBRATION	400	grms
MAXIMUM SHOCK	5000	gpk
TEMPERATURE RANGE	-60 TO +220	$^{\circ}$ F
THERMAL COEFFICIENT OF SENSITIVITY	.15	%/ $^{\circ}$ 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	$\Omega$
BIAS VOLTAGE	+11 to +13	Vdc
DISCHARGE TIME CONSTANT	0.5 to 1.8	sec
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP	Positive	

**SUPPLIED ACCESSORIES:**

- (1) MODEL 6591A INSTALLATION REMOVAL WRENCH
- (2) 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.