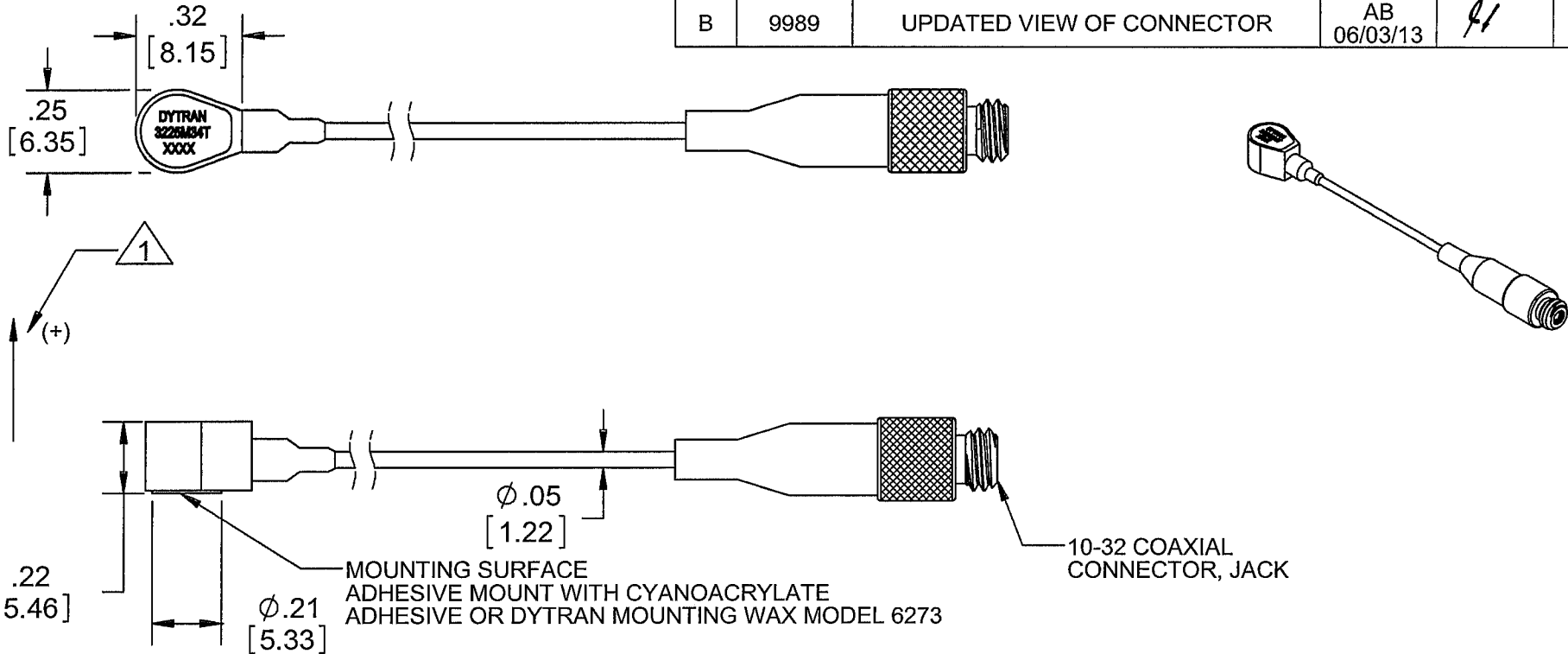


**PROPRIETARY AND CONFIDENTIAL**

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**REVISIONS**

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	7033	INITIAL RELEASE	RA 08/24/10	DV	ANS
B	9989	UPDATED VIEW OF CONNECTOR	AB 06/03/13	fi	<i>[Signature]</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 OUTPUT SIGNAL.

NOTES: UNLESS OTHERWISE SPECIFIED

USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	

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.  
 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.

UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN INCHES.  
 DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS  
 TOLERANCES ARE:  
 INCHES    METRIC    ANGLES  
 .XX ± .03    .X ± 0.8    ± 1°  
 .XXX ± 0.10    .XX ± 0.25

MATERIAL

FINISH

DO NOT SCALE DRAWING

CONTRACT NO.	
APPROVALS	DATE
ORIG    JS	07/28/10
CHK    DV	08/25/10
APP    ANS	08/26/10
APP	

**MASTER**  
ONLY IF IN RED  
 Chatsworth, CA

TITLE:  
**OUTLINE INSTALLATION  
 DRAWING 3225M34T**

SIZE <b>A</b>	CAGE CODE <b>2W033</b>	DWG. NO. <b>127-3225M34T</b>	REV <b>B</b>
SCALE: NONE	SOLIDWORKS	SHEET 1 OF 1	

**MODEL NUMBER**  
**3225M34T**

**PERFORMANCE SPECIFICATION**

**DOC NO.**  
**PS3225M34T**

**ACCELEROMETER , IEPE**

REV E, ECN 13008, 10/27/16



- MINIATURE SIZE
- INTEGRAL CABLE WITH 10-32 RECEPTACLE

**This family also includes:**

Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp(°F)	TC

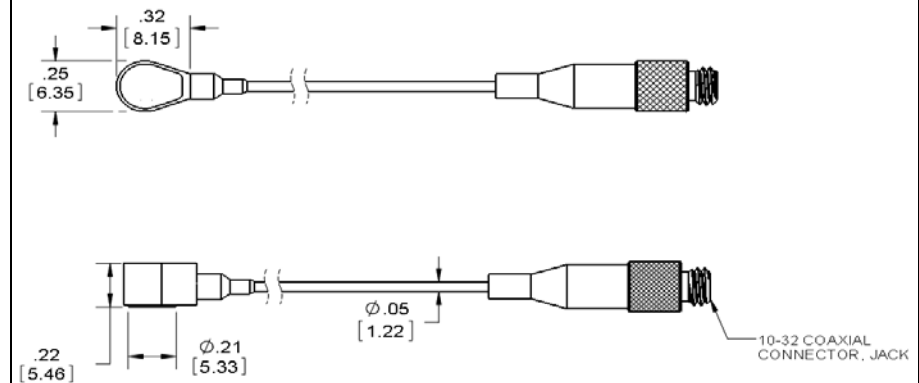
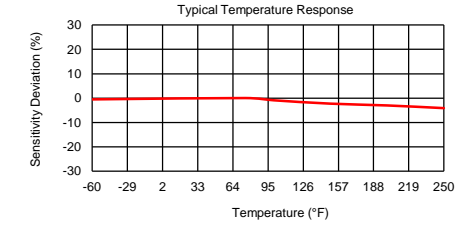
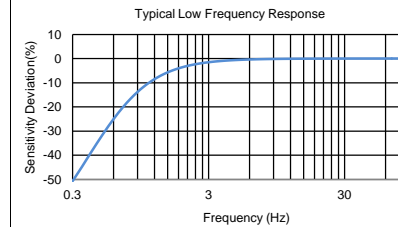
Please refer to the performance specifications of the products in this family for detailed description.

**Supplied Accessories**

- 1) Model 6591A installation wrench
- 2) Model 6298 small petro mounting wax
- 3) Accredited calibration certificate (ISO 17025)

**Notes:**

- [1] Flat mounting surface for adhesive mount.
- [2] Integral cable with 10-32 Receptacle
- [3] Measured at 100 Hz, 1 grms per ISA RP37.2.
- [4] Percent of full scale or any lesser range, zero based best-fit straight line method.
- [5] Do not apply power to this device without current limiting, 20mA max, to do so will destroy the integral IC amplifier
- [6] In the interest of constant product improvement, we reserve the right to change specifications without notice



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225M34T for more information.

**PHYSICAL**

	ENGLISH		SI	
Weight, Max (Less Cable)	0.03	oz	0.85	grams
Mounting Provision Connector	[1]		[1]	
Cable Length	[2]		[2]	
Sensing Element	120	Inches	3048	mm
Material Mode	Quartz		Quartz	
	Shear		Shear	

**PERFORMANCE**

Sensitivity, ± 10% [3]	5	mV/g	0.51	mV/m/s <sup>2</sup>
Range F.S For ± 5 Volts Out	± 1000	g's	± 9810	m/s <sup>2</sup>
Frequency Response, +/- 10%	1.0 to 10000	Hz	1.0 to 10000	Hz
Mounted Resonant Frequency	> 40	kHz	> 40	kHz
Amplitude Non-Linearity [4]	2	%F.S	2	%F.S
Transverse Sensitivity, Max	5	%	5	%
Noise Resolution	0.014	grms	0.14	m/s <sup>2</sup> rms
Strain Sensitivity @250µε	0.0005	g/µε	0.0049	m/s <sup>2</sup> /µε

**ENVIRONMENTAL**

Maximum Vibration	600	Grms	5880	m/s <sup>2</sup> rms
Maximum Shock	5000	Gpeak	49000	m/s <sup>2</sup> peak
Temperature Range	-60 to +250	°F	-51 to +121	°C
Environmental Seal	Epoxy		Epoxy	

**ELECTRICAL**

Supply Current/Compliance Voltage Range [5]	2 to 20/+18 to +30	mA/Volts	2 to 20/+18 to +30	mA/Volts
Output Impedance, TYP	100	Ω	100	Ω
Bias Voltage	+7 to +9	VDC	+7 to +9	VDC
Discharge Time Constant	0.3 to 1.0	Sec	0.3 to 1.0	Sec
Teds Feature	IEEE 1451.4		IEEE 1451.4	



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