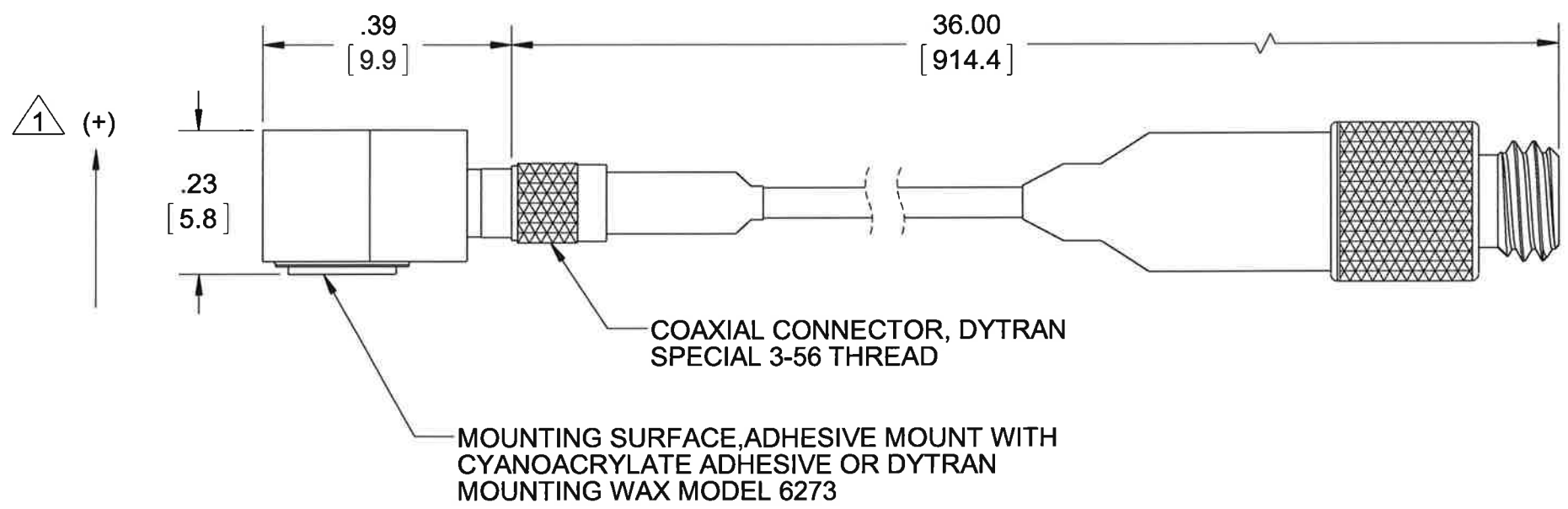
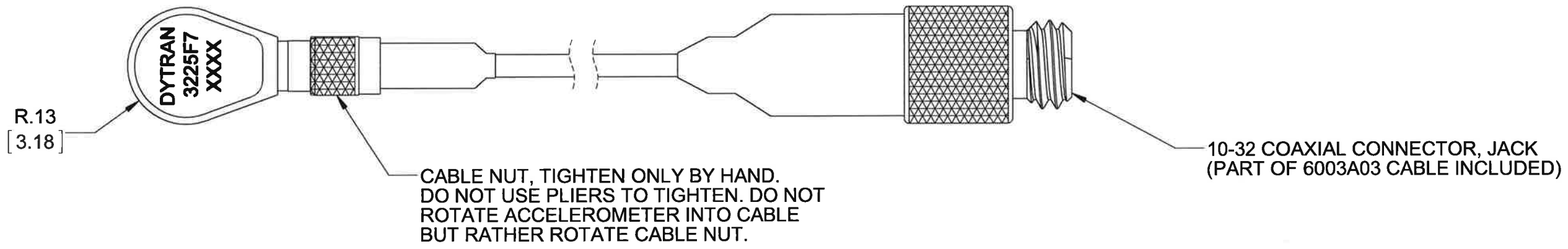


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	11706	INITIAL RELEASE	NDC 01/29/15	91	LN



- 3. CASE AND CONNECTOR MATERIAL: TITANIUM.
  - 2. WEIGHT LESS CABLE: 0.85 GRAMS.
  - 1 ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
- NOTES: UNLESS OTHERWISE SPECIFIED

<p>UNLESS OTHERWISE SPECIFIED:          INTERPRET DIM &amp; 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.          DIMENSIONS APPLY AFTER FINISHING.</p> <p>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.</p>	<p>UNLESS OTHERWISE SPECIFIED:          DIMENSIONS ARE IN INCHES.          DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS TOLERANCES ARE:</p> <table border="1"> <tr> <th>DECIMALS</th> <th>METRIC</th> <th>ANGLES</th> </tr> <tr> <td>.XX ± .03</td> <td>.X ± 0.8</td> <td>± 1°</td> </tr> <tr> <td>.XXX ± .010</td> <td>.XX ± 0.25</td> <td></td> </tr> </table>			DECIMALS	METRIC	ANGLES	.XX ± .03	.X ± 0.8	± 1°	.XXX ± .010	.XX ± 0.25		<p><b>DYTRAN INSTRUMENTS, INC.</b> <b>MASTER COPY ONLY IF IN RED</b>          Chatsworth, CA</p>	
	DECIMALS	METRIC	ANGLES											
	.XX ± .03	.X ± 0.8	± 1°											
	.XXX ± .010	.XX ± 0.25												
<p>APPROVALS</p> <table border="1"> <tr> <td>ORIG</td> <td>NDC</td> <td>DATE</td> </tr> <tr> <td>CHK</td> <td>91</td> <td>01/29/15</td> </tr> <tr> <td>APP</td> <td>LN</td> <td>02/02/15</td> </tr> </table>		ORIG	NDC	DATE	CHK	91	01/29/15	APP	LN	02/02/15	<p>TITLE: <b>OUTLINE/INSTALLATION DRAWING, 3225F7</b></p>			
ORIG	NDC	DATE												
CHK	91	01/29/15												
APP	LN	02/02/15												
<p>DO NOT SCALE DRAWING</p>		<p>THIRD ANGLE PROJECTION</p>		<table border="1"> <tr> <td>SIZE</td> <td>CAGE CODE</td> <td>DWG NO</td> <td>REV</td> </tr> <tr> <td>B</td> <td>2W033</td> <td>127-3225F7</td> <td>A</td> </tr> </table>		SIZE	CAGE CODE	DWG NO	REV	B	2W033	127-3225F7	A	
SIZE	CAGE CODE	DWG NO	REV											
B	2W033	127-3225F7	A											

<b>MODEL NUMBER</b> <b>3225F7</b>	<b>PERFORMANCE SPECIFICATION</b>	<b>DOC NO.</b> <b>PS3225F7</b>
<b>ACCELEROMETER, IEPE</b>		REV C, ECN 13008, 10/26/16



- MINIATURE SIZE
- REMOVABLE CABLE WITH 10-32 CONNECTOR
- HERMETICALLY SEALED

	ENGLISH		SI	
Weight, Max	0.04	oz	1.0	grams
Mounting Provision	[1]		[1]	
Connector, Radially Mounted [2]	3-56		3-56	
Cable Length	36	Inches	914	mm
Case Material	Titanium		Titanium	
Sensing Element	Ceramic		Ceramic	
Material Mode	Shear		Shear	

**PHYSICAL**

Weight, Max  
Mounting Provision  
Connector, Radially Mounted [2]  
Cable Length  
Case Material  
Sensing Element

**PERFORMANCE**

Sensitivity, ± 10% [3]  
Range F.S For ± 5 Volts Out  
Frequency Response, +/- 10%  
Mounted Resonant Frequency  
Amplitude Non-Linearity [4]  
Transverse Sensitivity, Max  
Noise Resolution  
Strain Sensitivity @250µε

Sensitivity, ± 10% [3]	100	mV/g	10.2	mV/m/s <sup>2</sup>
Range F.S For ± 5 Volts Out	± 50	g's	± 490.5	m/s <sup>2</sup>
Frequency Response, +/- 10%	2 to 10,000	Hz	2 to 10,000	Hz
Mounted Resonant Frequency	> 60	kHz	> 60	kHz
Amplitude Non-Linearity [4]	2	% F.S	2	% F.S
Transverse Sensitivity, Max	5	%	5	%
Noise Resolution	0.0007	grms	0.01	m/s <sup>2</sup> rms
Strain Sensitivity @250µε	0.05	g/µε	0.49	m/s <sup>2</sup> /µε

**ENVIRONMENTAL**

Maximum Vibration  
Maximum Shock  
Temperature Range  
Environmental Seal

Maximum Vibration	400	Grms	3924	m/s <sup>2</sup> rms
Maximum Shock	5000	Gpeak	49050	m/s <sup>2</sup> peak
Temperature Range	-60 to +250	°F	-51 to +121	°C
Environmental Seal	Hermetic		Hermetic	

**ELECTRICAL**

Supply Current [5]  
Compliance Voltage  
Output Impedance, TYP  
Bias Voltage  
Discharge Time Constant

Supply Current [5]	2 to 20	mA	2 to 20	mA
Compliance Voltage	+18 to +30	Volts	+18 to +30	Volts
Output Impedance, TYP	100	Ω	100	Ω
Bias Voltage	+11 to +13	VDC	+11 to +13	VDC
Discharge Time Constant	0.2 to 1.0	Sec	0.2 to 1.0	Sec

**This family also includes:**

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

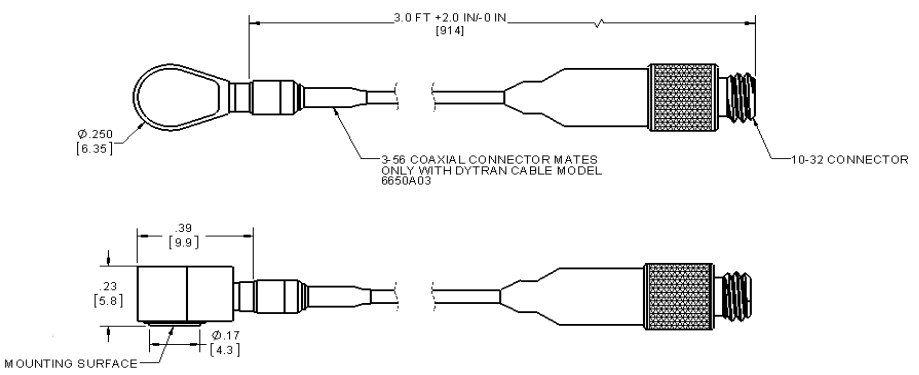
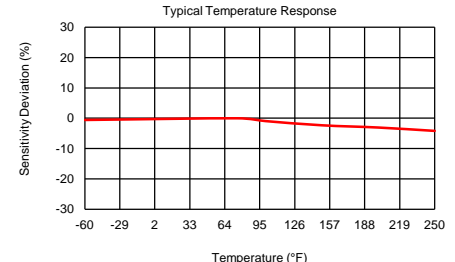
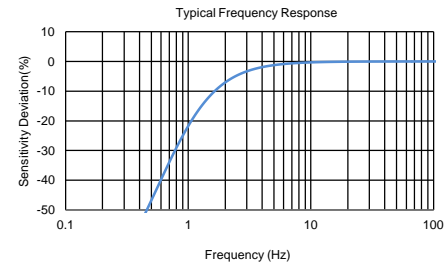
Refer to the performance specifications of the products in this family for detailed description.

**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] Mates with Dytran cable 6003A
- [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 127-3225F7 for more information.



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.700.7880  
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