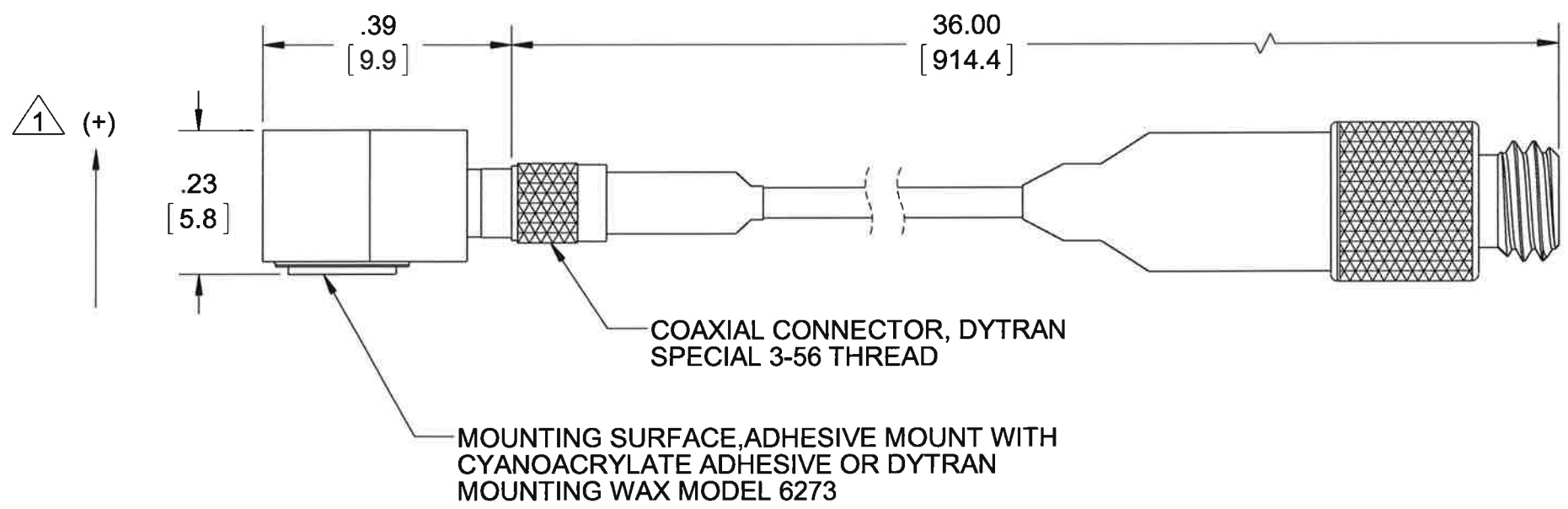
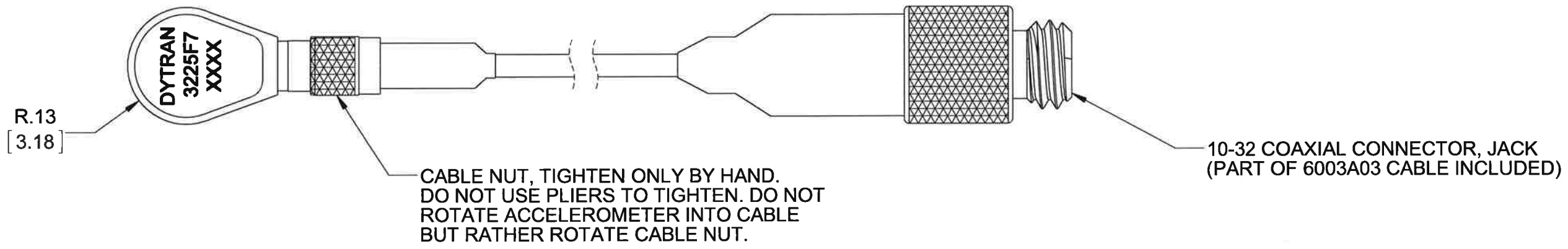


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

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



MOUNTING SURFACE, ADHESIVE MOUNT WITH CYANOACRYLATE ADHESIVE OR DYTRAN MOUNTING WAX MODEL 6273

- 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 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

**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.

**PHYSICAL**

	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	

**PERFORMANCE**

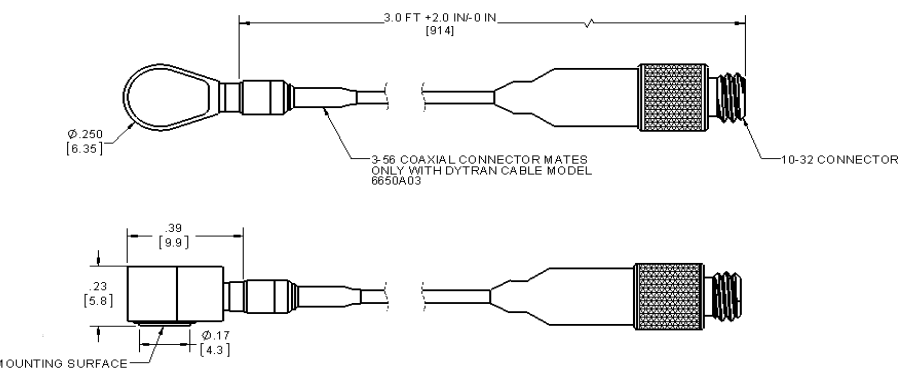
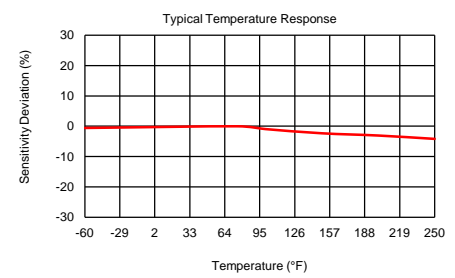
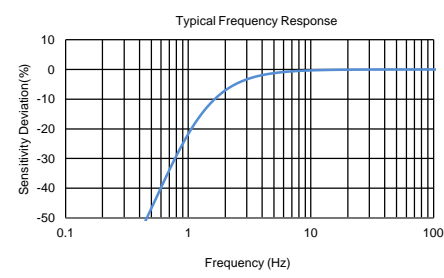
	ENGLISH		SI	
Sensitivity, ± 10% [3]	100	mV/g	10.2	mV/m/s <sup>2</sup>
Range F.S For ± 5 Volts Out	± 50	g's	± 490.5	m/s <sup>2</sup>
Frequency Response, +/- 10%	2 to 10,000	Hz	2 to 10,000	Hz
Mounted Resonant Frequency	> 60	kHz	> 60	kHz
Amplitude Non-Linearity [4]	2	% F.S	2	% F.S
Transverse Sensitivity, 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**

	ENGLISH		SI	
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**

	ENGLISH		SI	
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



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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