

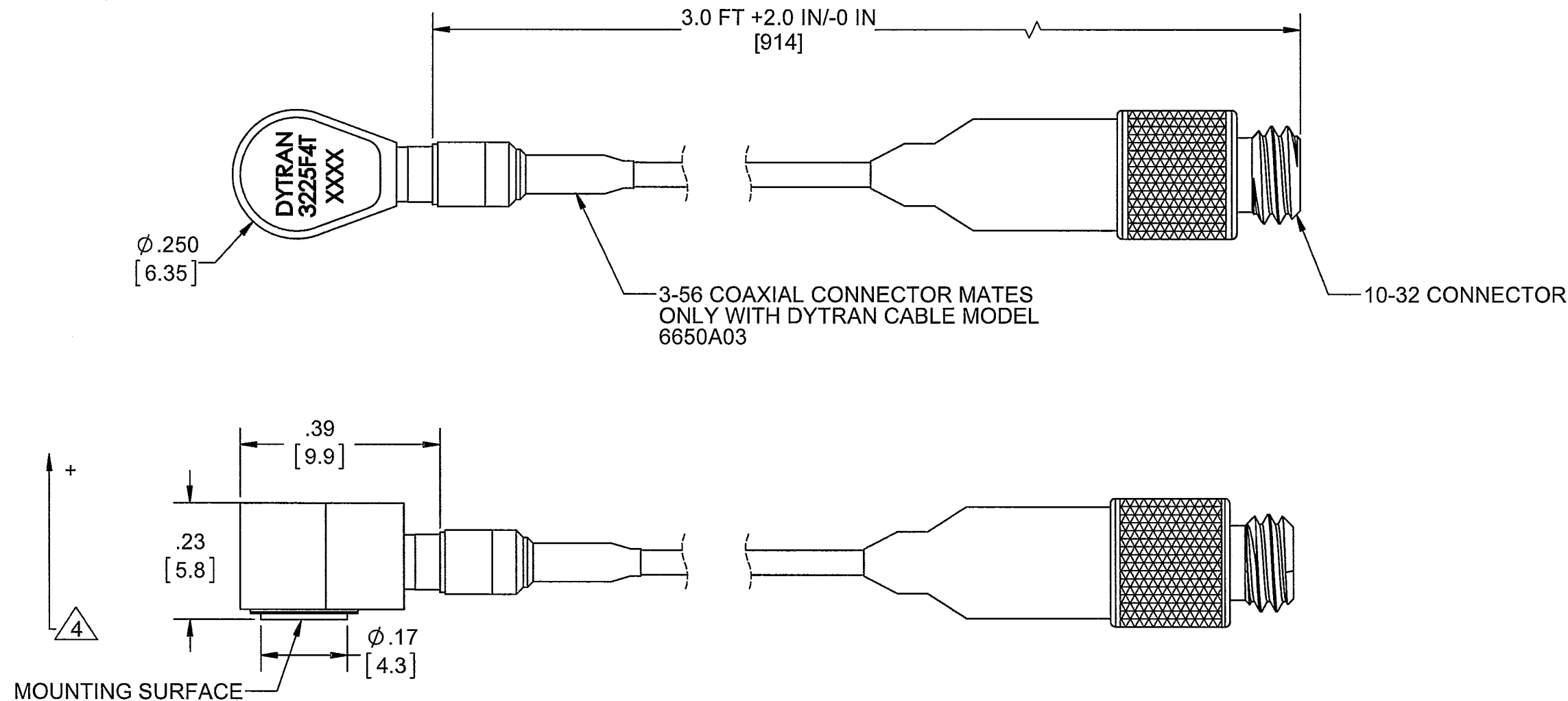
PROPRIETARY AND CONFIDENTIAL

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REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	9716	INITIAL RELEASE	AB 03/08/13	JS	DV
B	9494	UPDATED VIEW OF CONNECTOR	AB 05/03/13	JS	DV



- 4 ARROW INDICATES DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.
 - 3. CASE AND CONNECTOR MATERIAL: TITANIUM
 - 2. WEIGHT LESS CABLE: 0.85 GRAMS MAX.
 - 1. RECOMMENDED MOUNTING ADHESIVE: CYANOACRYLATE.
- NOTES: UNLESS OTHERWISE SPECIFIED

<small>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. DIMENSIONS APPLY AFTER FINISHING.</small>	<small>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:</small>																								
	<small>DECIMALS</small> .XX ±.03 .XXX ±.010	<small>METRIC</small> .X ± 0.8 .XX ±0.25	<small>ANGLES</small> ±1°	MASTER COPY TITLE: OUTLINE INSTALLATION DRAWING 3225F4T																					
	<table border="1"> <tr><th colspan="2">APPROVALS</th><th>DATE</th></tr> <tr><td>ORIG</td><td>AB</td><td>03/07/13</td></tr> <tr><td>CHK</td><td>JS</td><td>04/05/13</td></tr> <tr><td>APP</td><td>DV</td><td>5/8/13</td></tr> </table>	APPROVALS		DATE	ORIG	AB	03/07/13	CHK	JS	04/05/13	APP	DV	5/8/13	<table border="1"> <tr><th>SIZE</th><th>CAGE CODE</th><th>DWG NO</th><th>REV</th></tr> <tr><td>B</td><td>2W033</td><td>127-3225F4T</td><td>B</td></tr> </table>		SIZE	CAGE CODE	DWG NO	REV	B	2W033	127-3225F4T	B	SCALE: 4:1	
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SIZE	CAGE CODE	DWG NO	REV																						
B	2W033	127-3225F4T	B																						
<small>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.</small>	<small>DO NOT SCALE DRAWING</small>		SHEET 1 OF 1																						

MODEL NUMBER 3225F4T	PERFORMANCE SPECIFICATION	DOC NO. PS3225F4T
ACCELEROMETER , IEPE		REV C , ECN 10118, 07/02/13



- **MINIATURE SIZE**
- **REMOVABLE CABLE WITH 10-32 CONNECTOR**

This family also includes:

Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp(*F)	TC
3225F1T	10	500	0.007	-60 TO 250	0.3 TO 0.6

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 6650A03
- [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

Weight, Max	(Less Cable)	0.03	oz	0.85	grams
Mounting Provision		[1]		[1]	
Connector	Radially Mounted	3-56		3-56	
Cable Length		36	Inches	914	mm
Case Material		Titanium		Titanium	

ENGLISH		SI	
Weight, Max	0.03 oz	0.85	grams
Mounting Provision	[1]	[1]	
Connector	3-56	3-56	
Cable Length	36 Inches	914	mm
Case Material	Titanium	Titanium	

PERFORMANCE

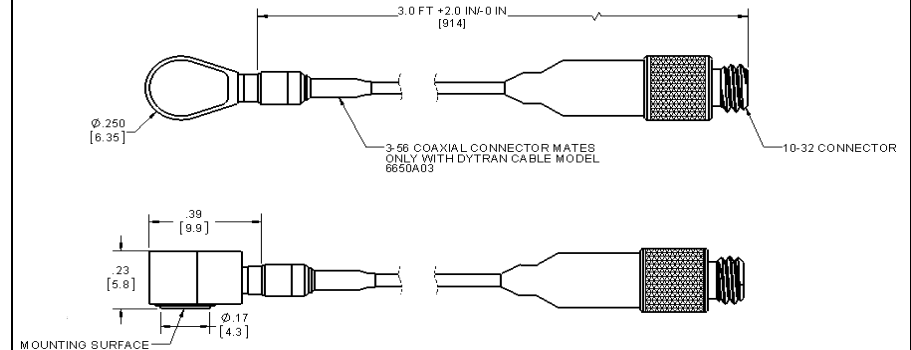
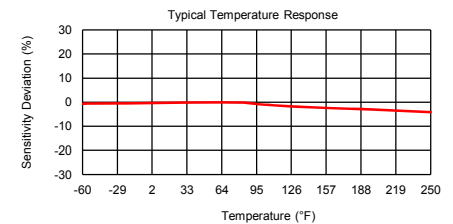
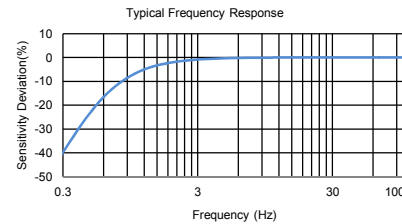
	ENGLISH	SI
Sensitivity, ± 10% [3]	1 mV/g	0.10 mV/m/s ²
Range F.S For ± 5 Volts Out	± 5000 g's	± 49,050 m/s ²
Frequency Response, +/- 10%	1.0 to 10000 Hz	1.0 to 10000 Hz
Mounted Resonant Frequency	> 40 kHz	> 40 kHz
Amplitude Non-Linearity [4]	2 %F.S	2 %F.S
Transverse Sensitivity, Max	5 %	5 %
Noise Resolution	0.070 grms	0.69 m/s ² rms
Strain Sensitivity @250/με	0.0005 g/με	0.0049 m/s ² /με

ENVIRONMENTAL

	ENGLISH	SI
Maximum Vibration	7000 Grms	68600 m/s ² rms
Maximum Shock	6000 Gpeak	58800 m/s ² peak
Temperature Range	-60 to +250 °F	-51 to +121 °C
TEDS Operating Temp	-60 to +180 °F	-51 to +82 °C
Environmental Seal	HERMETIC	HERMETIC

ELECTRICAL

	ENGLISH	SI
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	0.4 to 1.5 Sec	0.4 to 1.5 Sec
TEDS Feature	IEEE 14514	IEEE 14514



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