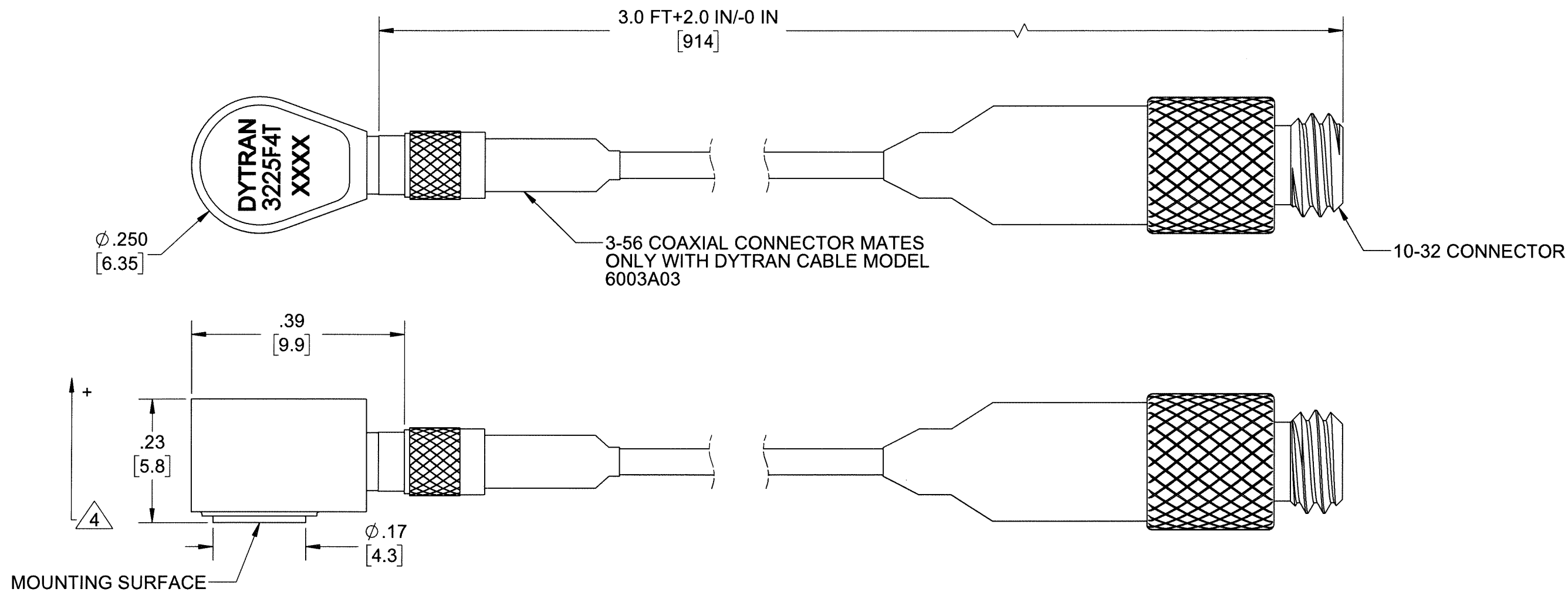


PROPRIETARY AND CONFIDENTIAL

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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
C	15049	CABLE IS:6003A03	DA 05/07/19	sp	LN



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.

ALL MACHINED SURFACES. <sup>63</sup>✓  
 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:

DECIMALS	METRIC	ANGLES
.XX ±.03	X ± 0.8	±1°
.XXX ±.010	XX ±0.25	

APPROVALS		DATE
ORIG	NC	11/30/07
CHK	AS	11/30/07
APP	DV	11/30/07

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION  
 USA



TITLE: **OUTLINE/INSTALLATION DRAWING 3225F4T**

SIZE	CAGE CODE	DWG NO	REV
B	2W033	127-3225F4T	C

SCALE: 4:1 SHEET 1 OF 1

- 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

**MODEL NUMBER**  
**3225F4T**

**PERFORMANCE SPECIFICATION**

**DOC NO.**  
**PS3225F4T**

**ACCELEROMETER, IEPE**

REV H, ECN 15542, 01/21/20



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

**PHYSICAL**

Weight, Max (Less Cable)  
Mounting Provision  
Connector Radially Mounted  
Cable Length  
Case Material  
Sensing Element Material Mode

ENGLISH		SI	
0.03	oz	0.85	grams
[1]		[1]	
3-56		3-56	
36	Inches	914	mm
Titanium		Titanium	
Quartz		Quartz	
Shear		Shear	

**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 [7]  
Strain Sensitivity @250/με

1	mV/g	0.10	mV/m/s <sup>2</sup>
± 500	g's	± 4905	m/s <sup>2</sup>
1.0 to 10000	Hz	1.0 to 10000	Hz
> 60	kHz	> 60	kHz
2	%F.S	2	%F.S
5	%	5	%
0.070	grms	0.69	m/s <sup>2</sup> rms
0.0005	g/με	0.0049	m/s <sup>2</sup> /με

**ENVIRONMENTAL**

Maximum Vibration  
Maximum Shock  
Temperature Range  
TEDS Operating Temp.  
Environmental Seal

7000	Grms	68600	m/s <sup>2</sup> rms
6000	Gpeak	58800	m/s <sup>2</sup> peak
-60 to +250	°F	-51 to +121	°C
-40 to +185	°F	-40 to +85	°C
HERMETIC		HERMETIC	

**ELECTRICAL**

Supply Current/Compliance Voltage Range [5]  
Output Impedance, TYP  
Bias Voltage  
Discharge Time Constant  
TEDS Feature

2 to 20/+18 to +30	mA/Volts	2 to 20/+18 to +30	mA/Volts
100	Ω	100	Ω
+7 to +9	VDC	+7 to +9	VDC
0.4 to 1.5	Sec	0.4 to 1.5	Sec
IEEE 1451.4		IEEE 1451.4	

**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

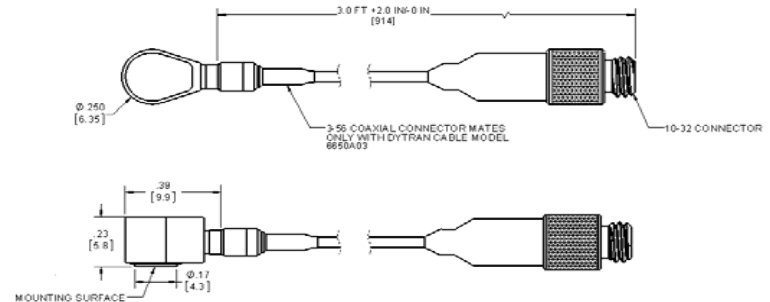
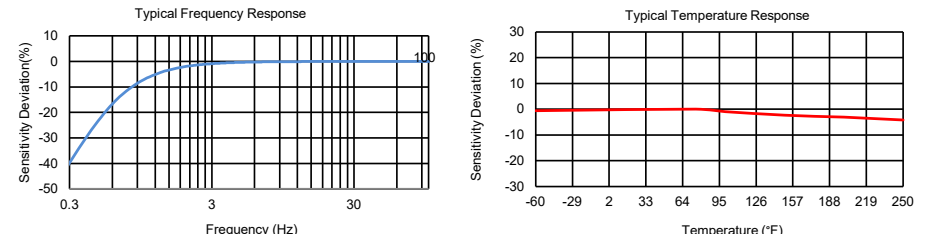
Refer to the performance specifications of the products in this family for detailed description.

**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 rights to change the specifications without notice. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary overtime. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.
- [7] Typical. Not to exceed 0.100 Grms [0.098 m/s<sup>2</sup>].



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3225F4T for more information.



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