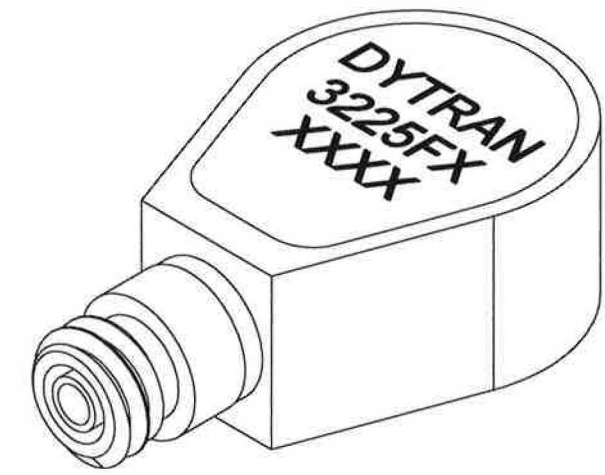
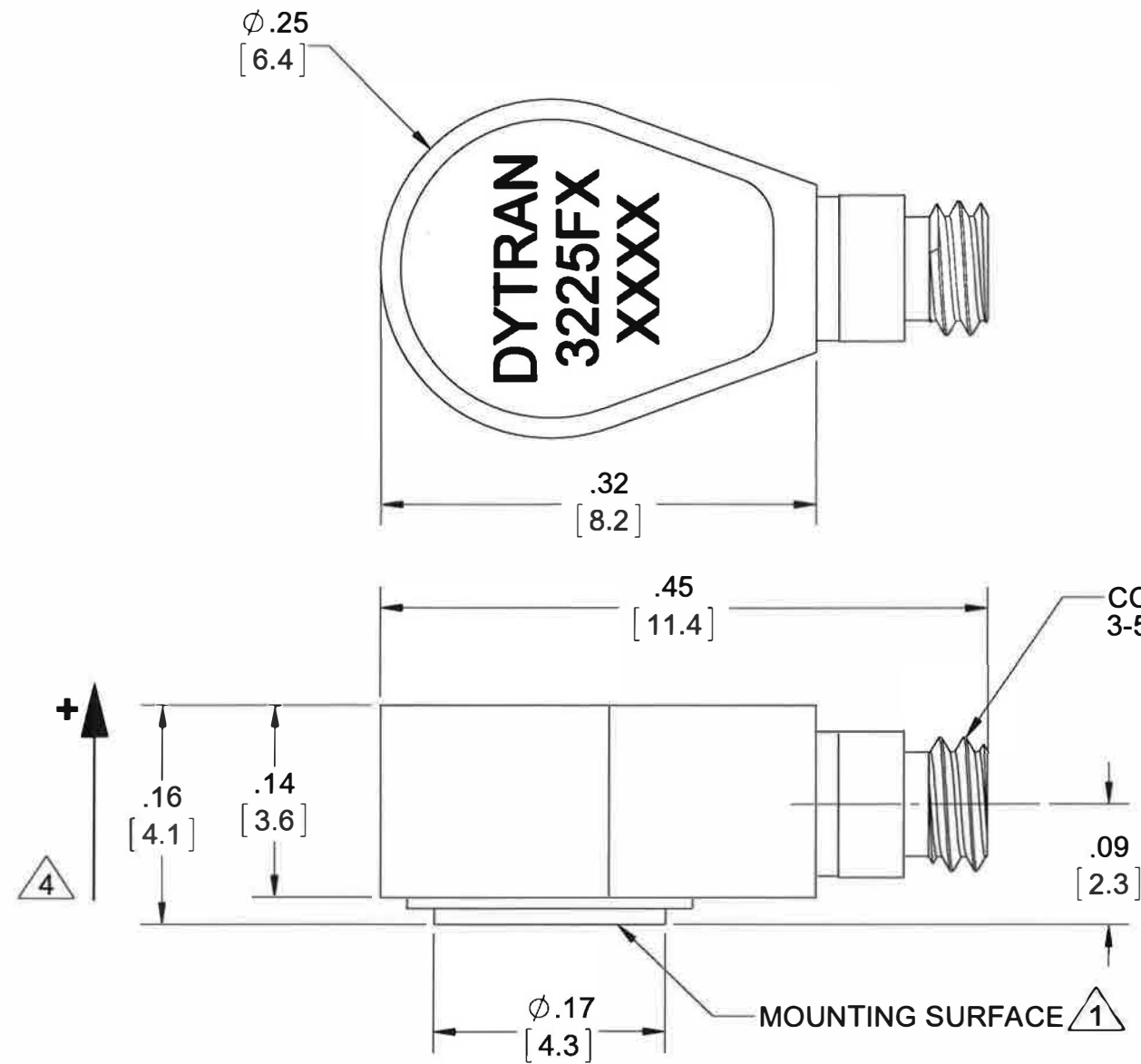


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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	11357	INITIAL RELEASE	JS 10/01/14	EM	[Signature]



CONNECTOR, COAXIAL
3-56 UNF-2A

MOUNTING SURFACE 1

MODEL NO.	REV	ECN	DATE	SENSITIVITY
3225F4	A	11357	09/11/14	1 mV/g
3225F5	A	11357	09/11/14	10 mV/g
3225F6	A	11357	09/11/14	5 mV/g

5. LOW OUT-GASSING

4 ARROW INDICATES DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT

3. CASE AND CONNECTOR MATERIAL: TITANIUM.

2. WEIGHT: 0.6 GRAMS MAX.

1 RECOMMENDED MOUNTING ADHESIVE: CYANOACRYLATE OR DYTRAN MOUNTING WAX MODEL 6273

NOTES: UNLESS OTHERWISE SPECIFIED

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:
 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	EC	09/03/14
CHK	EM	10/3/14
APP	[Signature]	10/3/14

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION
 USA

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 DYTRAN INSTRUMENTS, INC. Chatsworth, CA

TITLE:
OUTLINE/INSTALLATION DRAWING, MODEL 3225F4

SIZE B	CAGE CODE 2W033	DWG NO 127-3225F4	REV A
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SCALE: 8:1 SHEET 1 OF 1

MODEL NUMBER 3225F6	PERFORMANCE SPECIFICATION	DOC NO. PS3225F6
	ACCELEROMETER, IEPE	REV B, ECN 11667, 1/21/14



- MINIATURE SIZE
- 3-56 CONNECTOR
- LOW OUT-GASSING

PHYSICAL

Weight, Max
Mounting Provision
Connector [2]
Case Material

ENGLISH		SI	
0.02	oz	0.60	grams
[1]		[1]	
3-56		3-56	
Titanium		Titanium	

PERFORMANCE

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

5	mV/g	0.51	mV/m/s ⁴
± 1000	g's	± 9810	m/s ²
1.4 to 5000	Hz	1.4 to 5000	Hz
1.0 to 10000	Hz	1.0 to 10000	Hz
> 40	kHz	> 40	kHz
1	% F.S	1	% F.S
5	%	5	%
0.014	grms	0.14	m/s ² rms
0.0005	g/με	0.0049	m/s ² /με
1 Hz	920 μGrms/sqr(Hz)	9025	μGrms/s ² rms/sqr(Hz)
10 Hz	1400 μGrms/sqr(Hz)	13734	μGrms/s ² rms/sqr(Hz)
100 Hz	280 μGrms/sqr(Hz)	2747	μGrms/s ² rms/sqr(Hz)
1000 Hz	138 μGrms/sqr(Hz)	1354	μGrms/s ² rms/sqr(Hz)
10000 Hz	84 μGrms/sqr(Hz)	824	μGrms/s ² rms/sqr(Hz)

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Magnetic Sensitivity at 100 Gauss
Environmental Seal

1200	Grms	11772	m/s ² rms
2000	Gpeak	19620	m/s ² peak
-60 to +250	°F	-51 to +121	°C
0.00005	g/Gauss	0.00049	m/s ² /Gauss
Hermetic		Hermetic	

ELECTRICAL

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

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
0.35 to 1.0	Sec	0.35 to 1.0	Sec

This family also includes:

Model	Sensitivity (mV/g)	Range (g's)	Resolution (Grms)	Oper. Temp (°F)	TC
3225F4	1	5000	0.07	-60 to +250	0.35 to 1.0
3225F5	10	500	0.007	-60 to +250	0.35 to 1.0

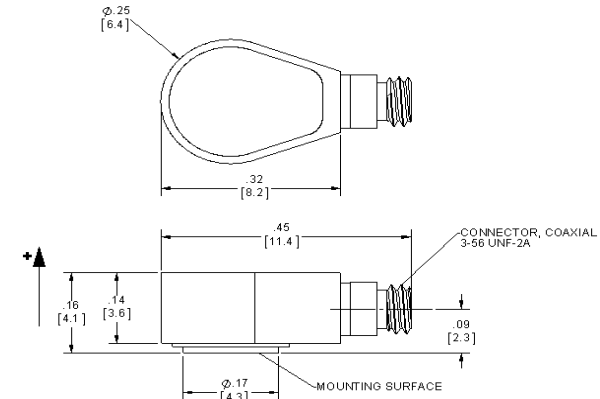
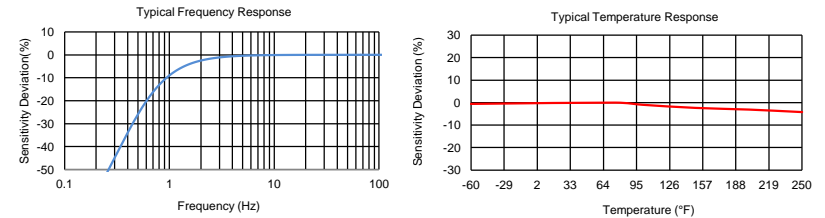
Refer to the performance specifications of the products in this family for detailed description.

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 6003AXX or 6003BXX (XX is cable length in feet)
- [3] Measured at 100 Hz, 1 grms per ISA RP 37.2.
- [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 127-3225F4 for more information.



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