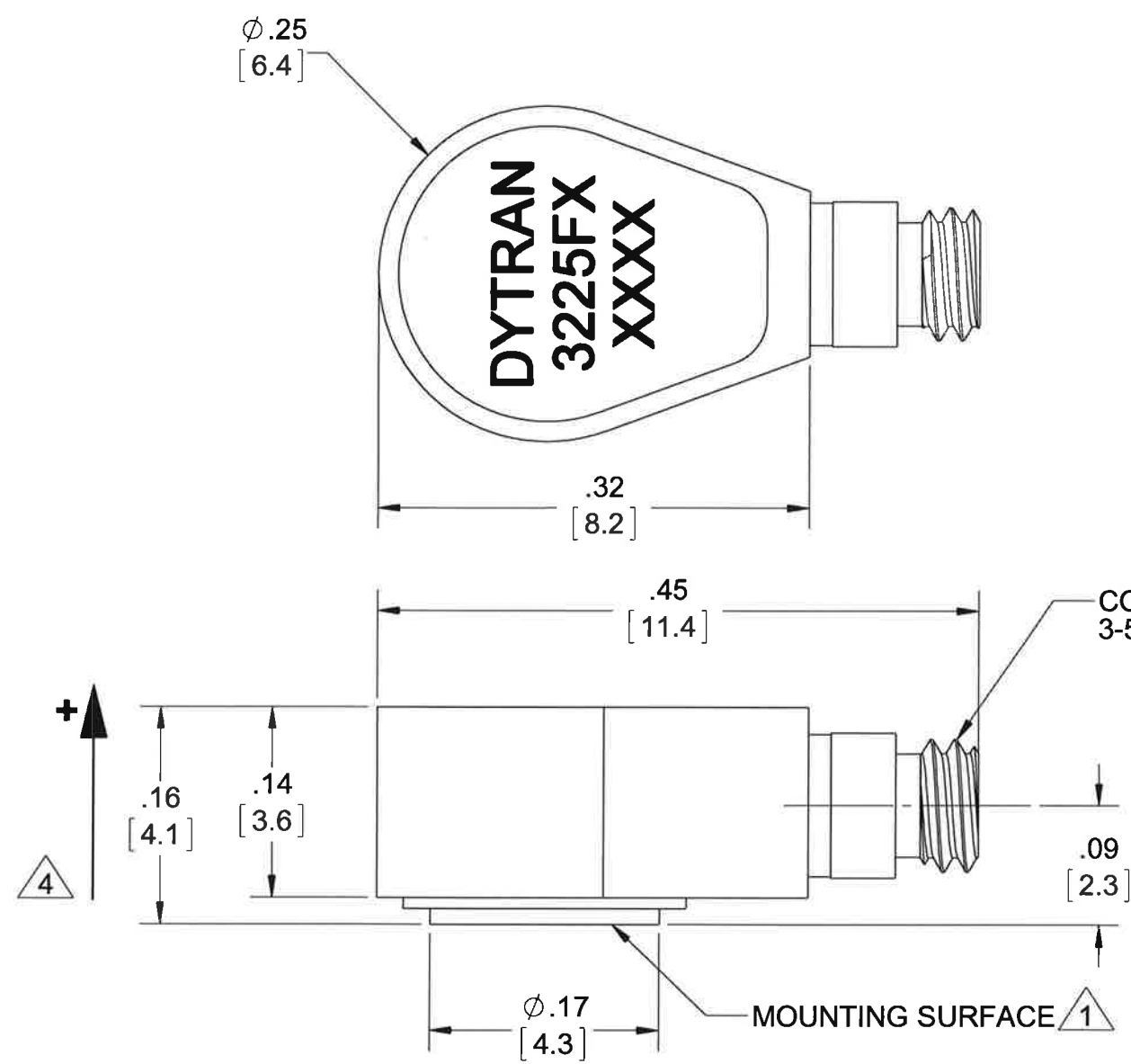


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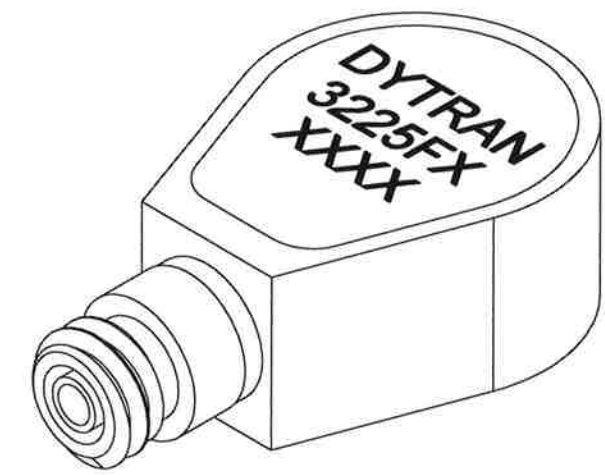
REVISIONS

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. ⁶³
 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

MASTER
 ONLY IF IN RED
 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 3225F5	PERFORMANCE SPECIFICATION	DOC NO. PS3225F5
	ACCELEROMETER, IEPE	REV E, ECN 14312, 07/11/18



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

PHYSICAL

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

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

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 [7]			
Strain Sensitivity @250/μe			
Spectral Noise	1Hz		
	10 Hz		
	100 Hz		
	1000 Hz		
	10000 Hz		

10	mV/g	1.02	mV/m/s ²
± 500	g's	± 4905	m/s ²
1.4 to 5000	Hz	1.4 to 5000	Hz
1.0 to 10000	Hz	1.0 to 10000	Hz
> 60	kHz	> 60	kHz
1	% F.S	1	% F.S
5	%	5	%
0.007	grms	0.07	m/s ² rms
0.0005	g/μe	0.0049	m/s ² /μe
460	μGrms/sqr(Hz)	4513	μGrms/s ² rms/sqr(Hz)
700	μGrms/sqr(Hz)	6867	μGrms/s ² rms/sqr(Hz)
140	μGrms/sqr(Hz)	1373	μGrms/s ² rms/sqr(Hz)
69	μGrms/sqr(Hz)	677	μGrms/s ² rms/sqr(Hz)
42	μGrms/sqr(Hz)	412	μGrms/s ² rms/sqr(Hz)

ENVIRONMENTAL

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

600	Grms	5886	m/s ² rms
1000	Gpeak	9810	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
3225F6	5	1000	0.014	-60 to +250	0.35 to 1.0

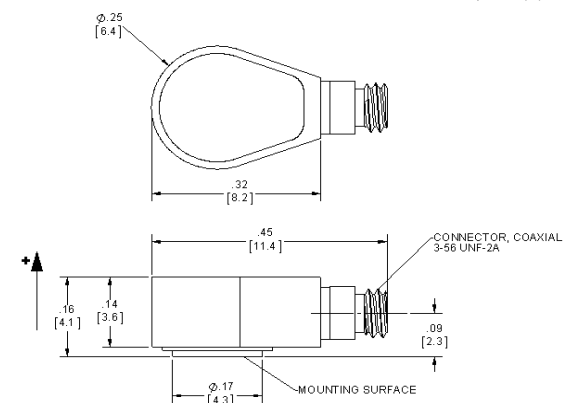
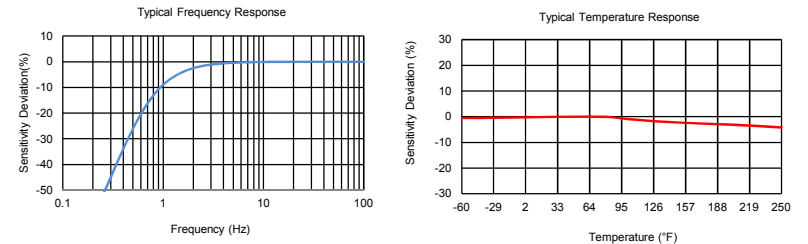
Refer to the performance specifications of the products in this family for detailed description.

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.
- [7] Typical. Not to exceed .010 Grms [.10 m/s²].



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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