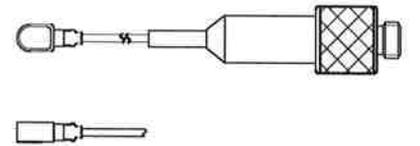
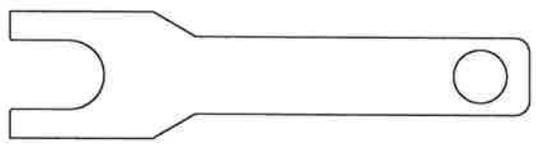
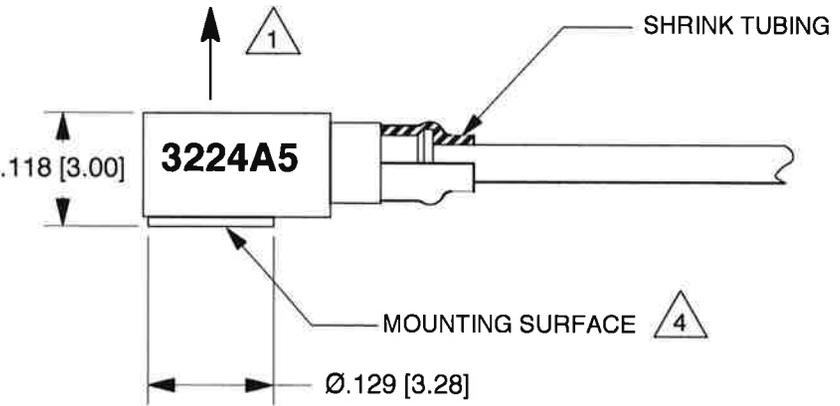
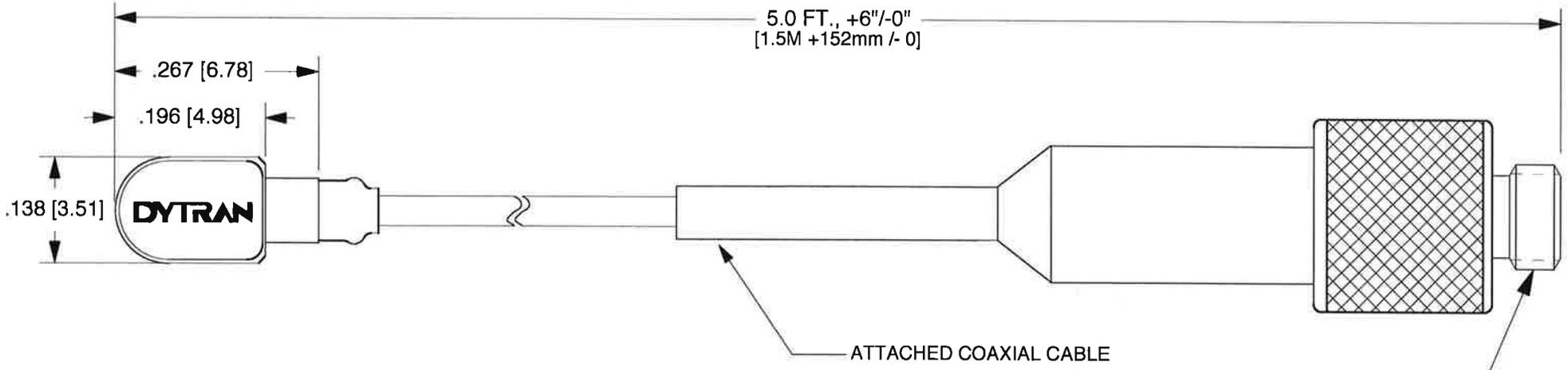


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REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	11128	INITIAL RELEASE	JS 07/08/14	EC	JS



- △ 4 APPLY ADHESIVE TO THIS SURFACE TO MOUNT.
- 3. CASE AND CONNECTOR MATERIAL: TITANIUM.
- 2. WEIGHT LESS CABLE: 0.2 GRAMS.
- △ 1 ARROW INDICATES SENSE AND DIRECTION OF INPUT ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL.

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES.
 DIMENSIONS IN BRACKETS [] ARE IN
 MILLIMETERS.
 TOLERANCES ARE:

INCHES	METRIC	ANGLES
.XX ±.03	.X ±0.8	±1°
.XXX ±.005	.XX ±0.25	

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MASTER
ONLY IF IN RED

CHADSWORTH, CA.

SCALE 5X	DESIGN N.C.	DATE 1/15/08			
DRAWN JS	DATE 07/08/14	PART NO. MODEL 3224A5			
CHECKED EC	DATE 7/08/14	MAT'L			REV A
APPROVED JS	DATE 7/9/14	NEXT ASSEMBLY	USED ON		
TITLE OUTLINE/INSTALLATION DRAWING, MODEL 3224A5 ACCELEROMETER, 10 mV/g			DWG NO. 127-3224A5		
			SHEET 1 OF 1		

MODEL NUMBER 3224A5	PERFORMANCE SPECIFICATION	DOC NO. PS3224A5
	IEPE ACCELEROMETER	REV D, ECN 13890, 12/04/17



- **MINIATURE SIZE**
- **HIGH SENSITIVITY**
- **EPOXY SEALED CABLE CONNECTION**

PHYSICAL

Weight, Less Cable
Mounting Provision
Connector [2]
Case Material
Sensing Element

ENGLISH		SI	
0.007	oz	0.2	grams
[1]		[1]	
Integral cable		Integral cable	
Titanium		Titanium	
Planar Shear Piezoceramic		Planar Shear Piezoceramic	

PERFORMANCE

Sensitivity [3] [4]
Range F.S. For ± 5 Volts Output
Frequency Response, ±10%
Resonant Frequency, NOM
Equivalent Electrical Noise Floor
Amplitude Non-Linearity [5]
Transverse Sensitivity, Max.
Strain Sensitivity @250µε

9 to 14	mV/g	.9 to 1.4	mV/ m/s ²
± 500	g	± 4905	m/s ²
0.3 to 20000	Hz	0.3 to 20000	Hz
>95	kHz	>95	kHz
0.023	g rms	0.225	m/s ² rms
± 1%	%F.S	± 1%	%F.S
5%		5%	
0.14	g/µε	1.37	m/s ² /µε

ENVIRONMENTAL

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

900	grms	8820	m/s ² rms
3000	±gpk	29400	± m/s ² pk
-60 to +300	°F	-51 to 149	°C
Laser welded, Epoxy Sealed Cable		Laser welded, Epoxy Sealed Cable	
0.000009	g/Gauss	0.8829	m/s ² /T

ELECTRICAL

Supply Current [6]
Compliance Voltage Range
Output Impedance TYP
Bias Voltage
Discharge Time Constant
Output Signal Polarity for Acceleration Toward Top
Case Grounding

2 to 20	mA	2 to 20	mA
18 to +30	V	18 to +30	V
100	Ω	100	Ω
+8 to +10	VDC	+8 to +10	VDC
1.1 to 1.5	sec	1.1 to 1.5	sec
Positive		Positive	
[7]		[7]	

This family also includes:

Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC (sec)
3224A2	2 to 5	2500	0.03	-60 to 300	0.3 to 1.0
3224A3	5 to 10	1000	0.037	-60 to 300	1.1 to 1.5
3224A4	1 to 2.5	5000	0.08	-60 to 300	0.3 to 1.0

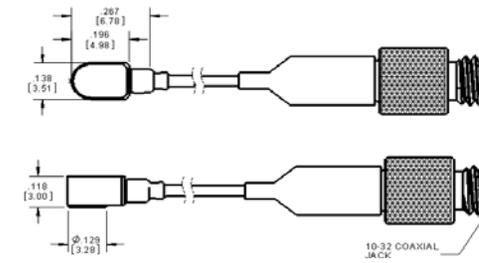
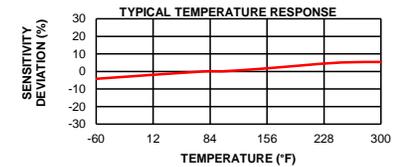
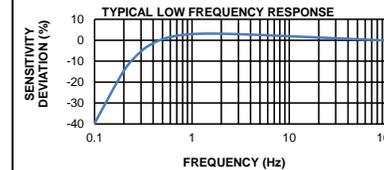
Please, refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories:

- 1) Model 6725 installation removal wrench.
- 2) Sample of " Small Petro Mounting Wax".
- 3) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Flat mounting surface for adhesive mount.
- [2] 10-32 Jack at end of integral 5FT.cable
- [3] Measured at 100 Hz, 1 g rms per ISA RP 37.2.
- [4] Actual sensitivity is given on a calibration certificate traceable to ISO 17025, supplied with each instrument
- [5] Measured using zero-based best straight-line method.
- [6] Do not apply power to this device without current limiting, 20 mA MAX. To do so will destroy the integral IC amplifier.
- [7] Case is grounded to electrical signal/power ground.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3224A1 for more information.



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