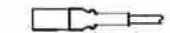
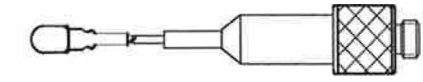
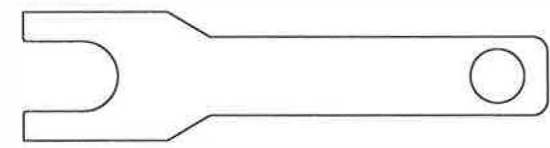
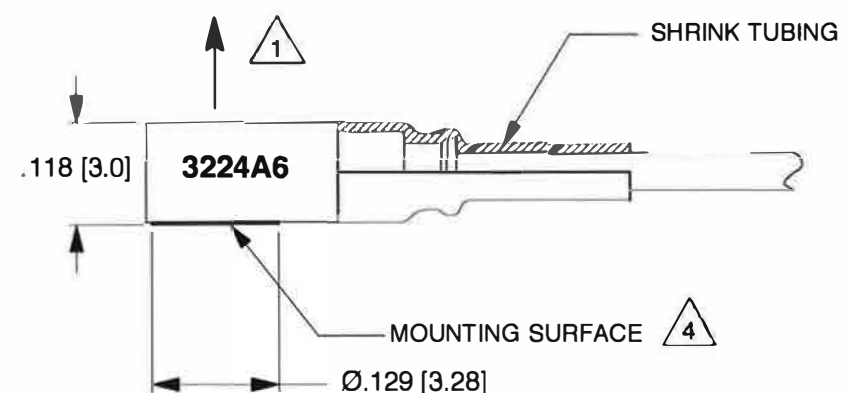
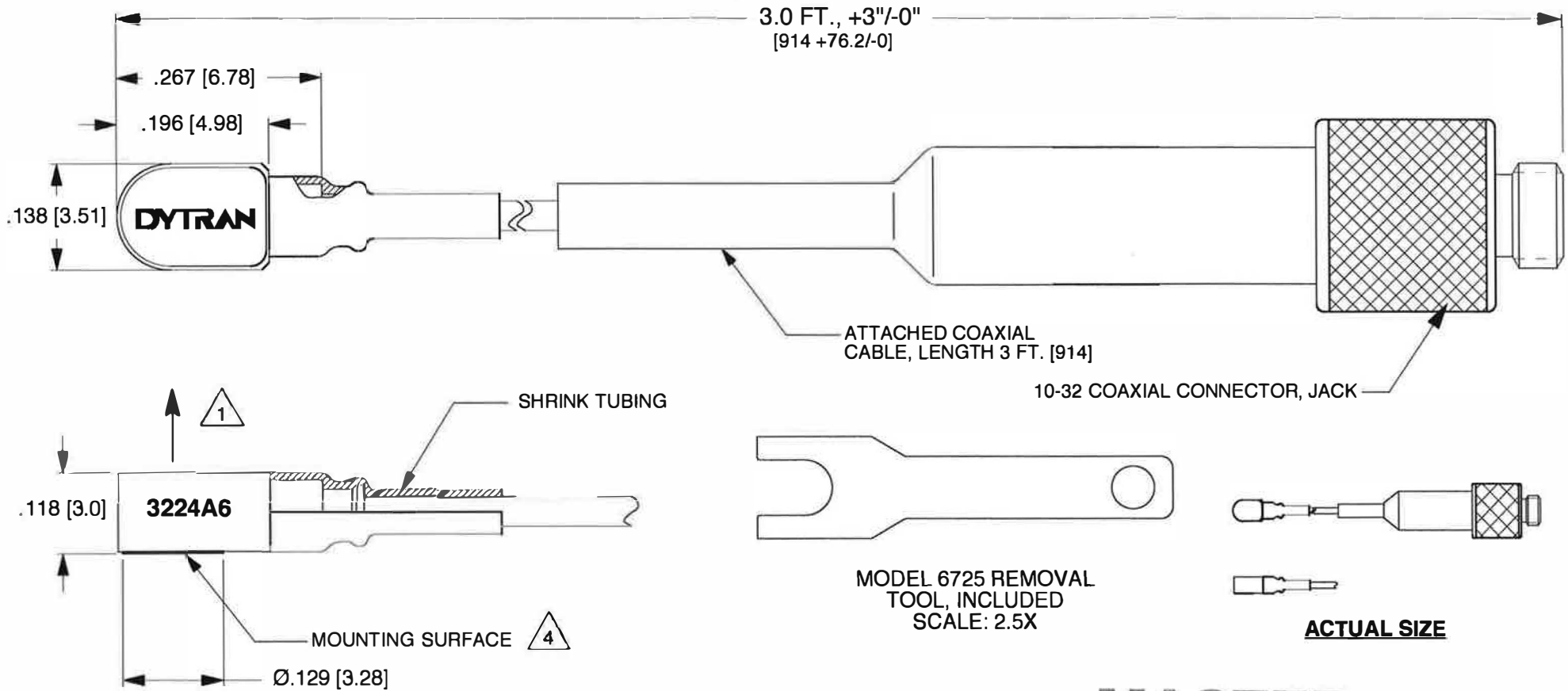


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	11380	INITIAL RELEASE	JS 10/14/14	<i>JS</i>	<i>RT</i>



- 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	

**MASTER ONLY IF IN RED**

CHATSWORTH, CA.

SCALE 5X	DESIGN N.C.	DATE 12/12/12		
DRAWN LN	DATE 09/17/14	PART NO. MODEL 3224A6		
CHECKED <i>JS</i>	DATE 10/22/14	MAT'L		REV A
APPROVED <i>RT</i>	DATE 10/21/14	NEXT ASSEMBLY	USED ON	
TITLE <b>OUTLINE/INSTALLATION DRAWING, MODEL 3224A6</b>			DWG NO. <b>127-3224A6</b>	
			SHEET 1 OF 1	

<b>MODEL NUMBER</b> <b>3224A6</b>	<b>PERFORMANCE SPECIFICATION</b>	<b>DOC NO.</b> <b>PS3224A6</b>
	<b>IEPE ACCELEROMETER</b>	REV A, ECN 11380, 09/17/2014



- MINIATURE SIZE
- 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, ±25% [3] [4]  
Range F.S. For ± 5 Volts Output  
Frequency Response, ±10%  
Resonant Frequency  
Equivalent Electrical Noise Floor  
Amplitude Non-Linearity [5]  
Transverse Sensitivity, Max.  
Strain Sensitivity @250µε

0.25	mV/g	0.025	mV/ m/s <sup>2</sup>
20,000	g	196200	m/s <sup>2</sup>
1.2 to 20,000	Hz	1.2 to 20,000	Hz
>95	kHz	>95	kHz
0.1	g rms	0.98	m/s <sup>2</sup> rms
± 1 %	%F.S	± 1%	%F.S
5%		5%	
0.14	g/µε	1.37	m/s <sup>2</sup> /µε

**ENVIRONMENTAL**

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

25,000	grms	245000	m/s <sup>2</sup> rms
22,000	±gpk	215600	± m/s <sup>2</sup> 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 <sup>2</sup> /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
+7 to +9	VDC	+7 to +9	VDC
2.0 to 4.0	sec	2.0 to 4.0	sec
Positive		Positive	
[7]		[7]	

**This family also includes:**

Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC (sec)
3224A1	9 to 14	500	0.023	-60 to 300	1.1 to 1.5
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	0.045	-60 to 300	0.3 to 1.0
3224A5	9 to 14	500	0.023	-60 to 300	1.1 to 1.5

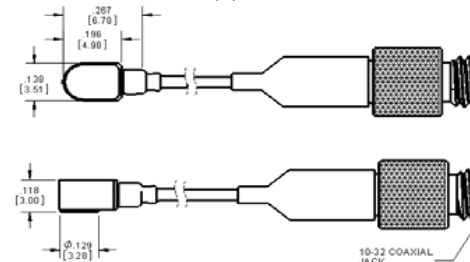
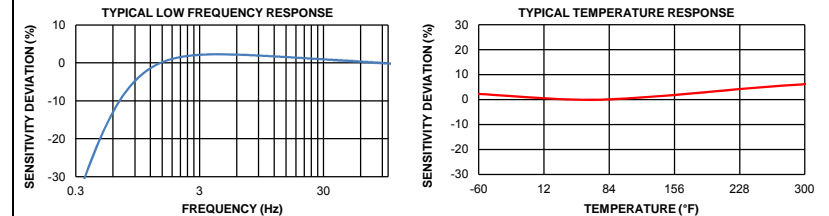
Refer to the performance specifications of the products in this family for detailed description.

**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 3FT. 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 127-3224A6 for more information.



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