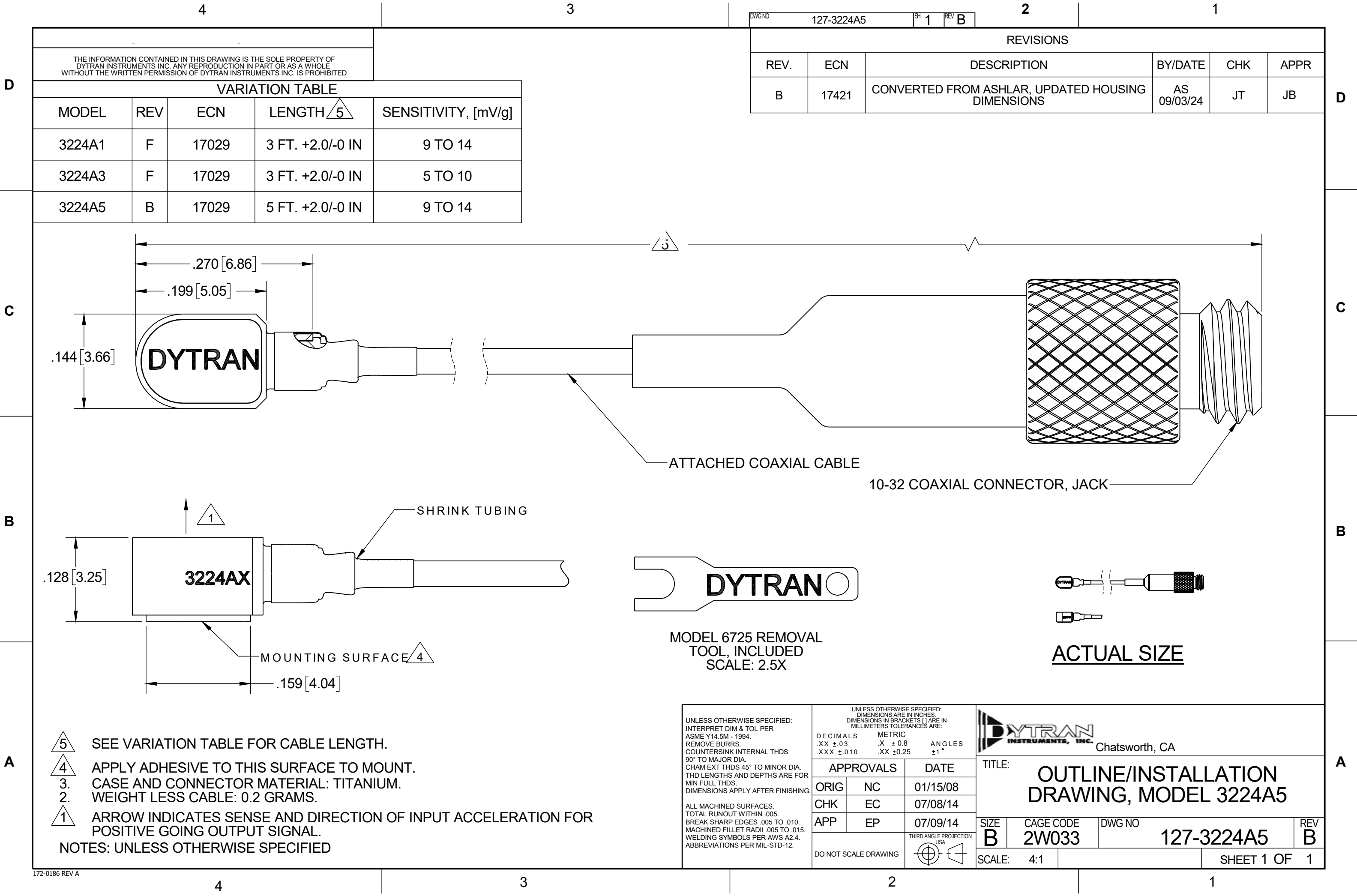




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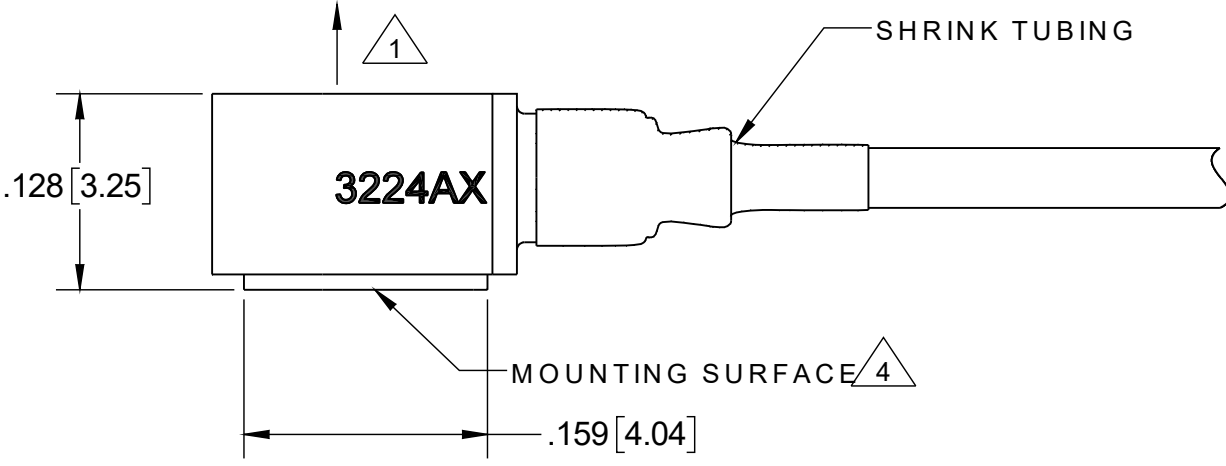
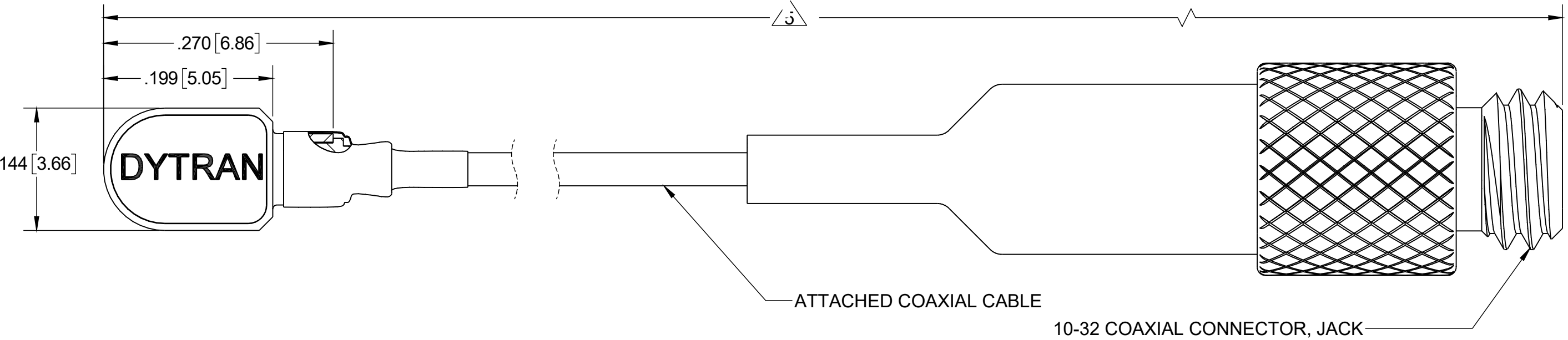
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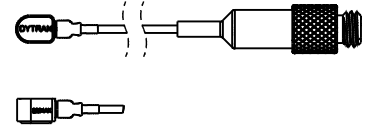
1

REVISIONS

MODEL	REV	ECN	LENGTH $\triangle 5$	SENSITIVITY, [mV/g]
3224A1	F	17029	3 FT. +2.0/-0 IN	9 TO 14
3224A3	F	17029	3 FT. +2.0/-0 IN	5 TO 10
3224A5	B	17029	5 FT. +2.0/-0 IN	9 TO 14



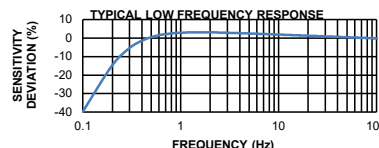
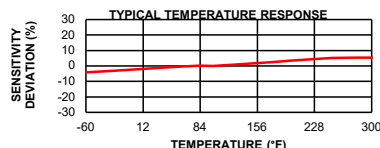
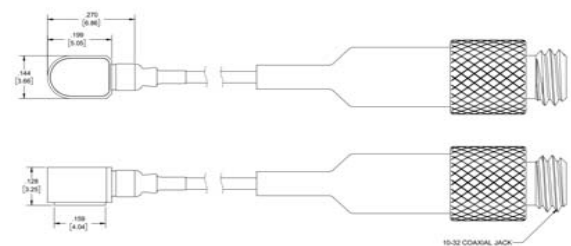
MODEL 6725 REMOVAL
TOOL, INCLUDED
SCALE: 2.5X



ACTUAL SIZE

- $\triangle 5$ SEE VARIATION TABLE FOR CABLE LENGTH.
- $\triangle 4$ APPLY ADHESIVE TO THIS SURFACE TO MOUNT.
3. CASE AND CONNECTOR MATERIAL: TITANIUM.
2. WEIGHT LESS CABLE: 0.2 GRAMS.
- $\triangle 1$ ARROW INDICATES SENSE AND DIRECTION OF INPUT ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL.
- 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:			 Chatsworth, CA				
	DECIMALS		METRIC		ANGLES			
	.XX ±.03		.X ±.08		±1°			
	.XXX ±.010		.XX ±0.25					
	APPROVALS		DATE		TITLE:			
	ORIG	NC	01/15/08		OUTLINE/INSTALLATION DRAWING, MODEL 3224A5			
	CHK	EC	07/08/14					
	APP	EP	07/09/14					
	DO NOT SCALE DRAWING				SIZE B	CAGE CODE 2W033	DWG NO 127-3224A5	REV B
					SCALE: 4:1		SHEET 1 OF 1	

MODEL NUMBER		PERFORMANCE SPECIFICATION				DOC NO.																									
3224A5						PS3224A5																									
		IEPE ACCELEROMETER				REV H, ECN 17269, 11/29/23																									
		• MINIATURE SIZE • HIGH SENSITIVITY • EPOXY SEALED CABLE CONNECTION				This family also includes: <table><thead><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Range (Gpeak)</th><th>Resolution (Grms)</th><th>Oper. Temp(*F)</th><th>TC (sec)</th></tr></thead><tbody><tr><td>3224A2</td><td>2 to 5</td><td>2500</td><td>0.03</td><td>-60 to 300</td><td>0.3 to 1.0</td></tr><tr><td>3224A3</td><td>5 to 10</td><td>1000</td><td>0.037</td><td>-60 to 300</td><td>1.1 to 2.5</td></tr><tr><td>3224A4</td><td>1 to 2.5</td><td>5000</td><td>0.08</td><td>-60 to 300</td><td>0.3 to 1.0</td></tr></tbody></table> 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] All specifications are at room temperature unless otherwise specified. [4] Actual sensitivity is given on a calibration certificate traceable to ISO 17025, supplied with each instrument. [5] Measured using zero-based straight line method, % of F.S. or any lesser range. [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. [8] 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.		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 2.5	3224A4	1 to 2.5	5000	0.08	-60 to 300	0.3 to 1.0
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3224A4	1 to 2.5	5000	0.08	-60 to 300	0.3 to 1.0																										
PHYSICAL		ENGLISH		SI																											
Weight, Less Cable	0.007	oz	0.2	grams																											
Mounting Provision	[1]		[1]																												
Connector [2]	Integral cable		Integral cable																												
Case Material	Titanium		Titanium																												
Sensing Element	Planar Shear Piezoceramic		Planar Shear Piezoceramic																												
PERFORMANCE																															
Sensitivity [4]	9 to 14	mV/g	.9 to 1.4	mV/ m/s ²																											
Range F.S. For ± 5 Volts Output	± 500	g	± 4905	m/s ²																											
Frequency Response, ±10%	0.3 to 20000	Hz	0.3 to 20000	Hz																											
Frequency Response, ±3dB	0.16 to 60000	Hz	0.16 to 60000	Hz																											
Resonant Frequency, NOM	>95	kHz	>95	kHz																											
Equivalent Electrical Noise Floor	0.023	g rms	0.225	m/s ² rms																											
Amplitude Non-Linearity [5]	± 1%	%F.S	± 1%	%F.S																											
Maximum Transverse Sensitivity	5%		5%																												
Strain Sensitivity @ 250µε	0.14	g/µε	1.37	m/s ² /µε																											
ENVIRONMENTAL																															
Maximum Shock	2000	±gpk	19600	± m/s ² pk																											
Temperature Range	-60 to +300	°F	-51 to 149	°C																											
Seal	Laser welded, Epoxy Sealed Cable		Laser welded, Epoxy Sealed Cable																												
Magnetic Sensitivity at 100 Gauss	0.000009	g/Gauss	0.8829	m/s ² /T																											
ELECTRICAL																															
Supply Current [6]	2 to 20	mA	2 to 20	mA																											
Compliance Voltage Range	18 to +30	V	18 to +30	V																											
Output Impedance TYP	100	Ω	100	Ω																											
Bias Voltage	+7 to +13	VDC	+7 to +13	VDC																											
Discharge Time Constant	1.1 to 2.5	sec	1.1 to 2.5	sec																											
Output Signal Polarity for Acceleration Toward Top	Positive		Positive																												
Case Grounding	[7]		[7]																												
																															
																															
																															
						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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