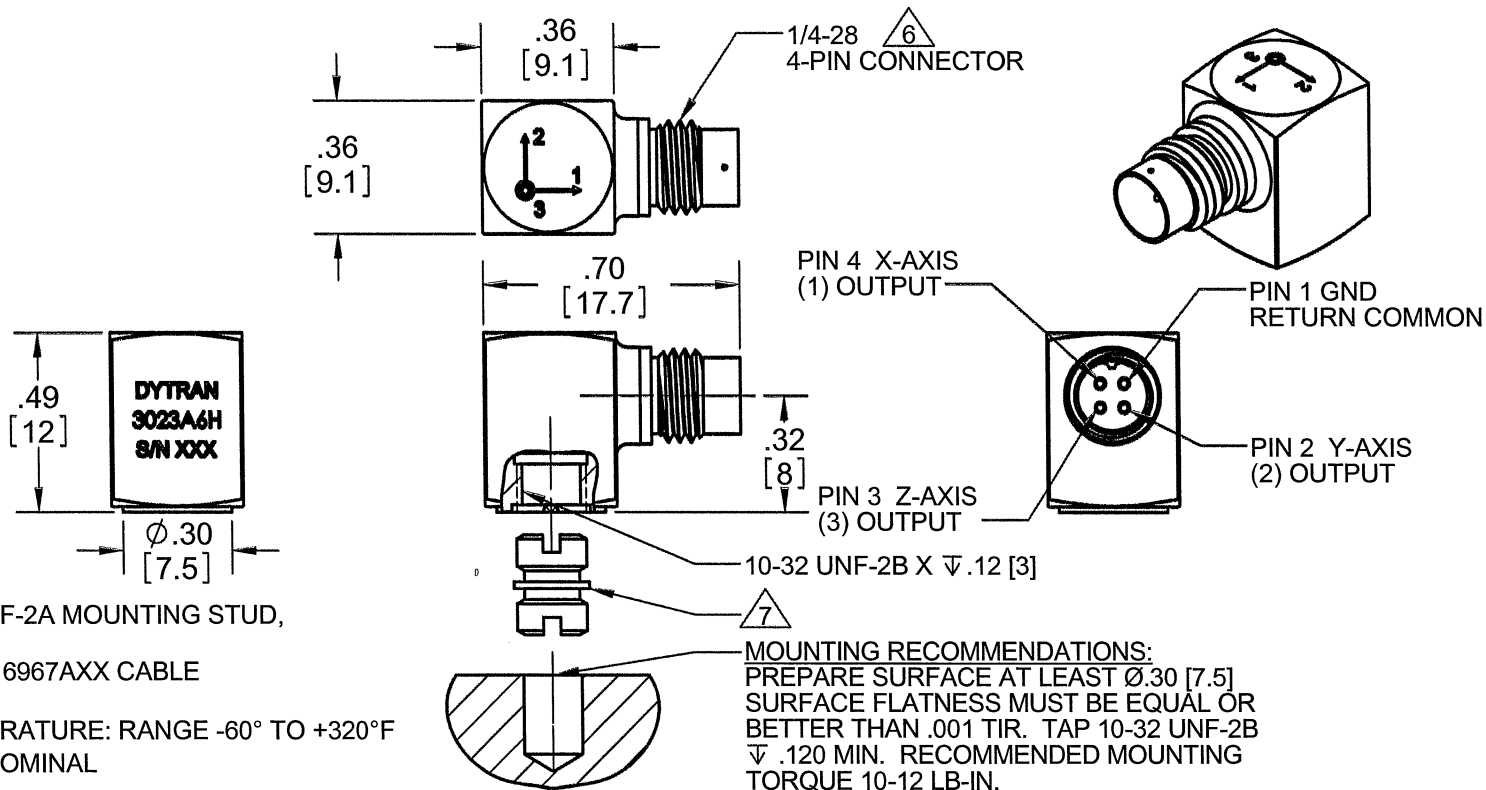


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	7440	INITIAL RELEASE	JS 04/05/11	JS	JS



- 7 MODEL 6200, 10-32 UNF-2A MOUNTING STUD, SUPPLIED.
- 6 MATES WITH DYTRAN 6967AXX CABLE (XX=LENGTH IN FEET)
5. OPERATIONAL TEMPERATURE: RANGE -60° TO +320°F
4. SENSITIVITY: 5mV/G NOMINAL
3. WEIGHT: 4 GRAMS
2. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT
1. MATERIAL: TITANIUM ALLOY

NOTES: UNLESS OTHERWISE SPECIFIED.

CONTRACT NO.



Chatsworth, CA

TITLE:

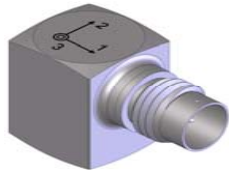
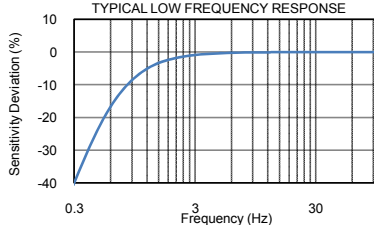
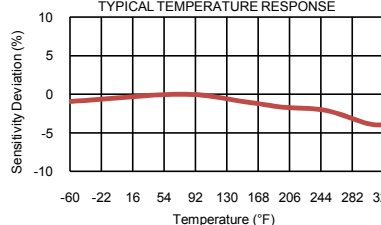
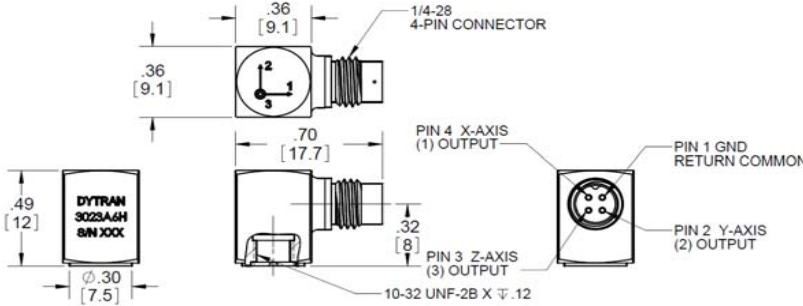
OUTLINE/INSTALLATION  
DRAWING, 3023A6H


APPROVALS		DATE
ORIG	JS	03/31/11
CHK	JS	05/13/11
APP	JS	5/19/11
APP		

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3023A6H	A
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1

USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION	
USA	
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. THDS PER MIL-S-7742. 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: INCHES METRIC ANGLES .XX ± .03 X ± 0.8 ± 1° .XXX ± .010 .XX ± 0.25		
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		

MODEL NUMBER		PERFORMANCE SPECIFICATION				DOC NO.	
3023A6H						PS3023A6H	
		ACCELEROMETER, TRIAXIAL, IEPE				REV A, ECN7440, 04/04/11	
		<ul style="list-style-type: none"><li>• HIGH TEMPERATURE</li><li>• HERMETICALLY SEALED</li><li>• MINIATURE SIZE</li></ul>					
PHYSICAL		ENGLISH		SI			
Weight		0.14		oz		4.0 grams	
Mounting		10-32 Tapped Hole				10-32 Tapped Hole	
Connector [1]		4-pin				4-pin	
Material, Housing / Connector		Titanium				Titanium	
PERFORMANCE							
Sensitivity, -10 + 15% [2]		5		mV/g		0.51 mV/m/s^2	
Range F.S. (each axis)		±1000		g		±9810 m/s^2	
Frequency Response, +/-10%		1-Axis		1.5 to 5000		Hz	
		2-Axis		1.5 to 5000		Hz	
		3-Axis		1.5 to 10000		Hz	
Element Natural Frequency		30		kHz		20 kHz	
Equivalent Electrical Noise		0.015		grms		0.147 m/s^2 rms	
Linearity [3]		1		%F.S.		1 %F.S.	
Transverse Sensitivity Max		6		%		6 %	
Signal Polarity		[5]				[5]	
ENVIRONMENTAL							
Maximum Shock		5000		g pk		49050 m/s^2	
Maximum Vibration		±600		g pk		±5880 m/s^2	
Temperature Range		-60 to +320		°F		-51 to +160 °C	
Environmental Seal		Hermetic				Hermetic	
ELECTRICAL							
Supply Current Range [4]		2 to 20		mA		2 to 20 mA	
Compliance Voltage Range		+18 to +30		VDC		+18 to +30 VDC	
Output Impedance, Typ.		100		Ω		100 Ω	
Output Bias Voltage		7 to 9		VDC		7 to 9 VDC	
Discharge Time Constant, Nom.		0.2 - 0.4		sec		0.2 - 0.4 sec	
Ground Isolation		Case Ground				Case Ground	
		This family also includes:					
		Model		Sensitivity (mV/g)		Range (Gpeak)	
						Resolution (Grms)	
						Oper. Temp(°F)	
						TC	
		Refer to the performance specifications of the products in this family for detailed description					
		Supplied Accessories:					
		1) Accredited Calibration Certificate (ISO 17025)					
		2) Model 6200 Mounting Stud, Qty 1.					
		Notes:					
		[1] Connector mates with Dytran's cable assy. Model 6967AXX. (xx = length in feet)					
		[2] Measured At 100 Hz, 1 Grms per ISA RP 37.2					
		[3] Measured using zero-based best straight-line method, % of F.S. or any lesser range.					
		[4] Do not apply power to this system without current limiting, 20 mA MAX.					
		To do so will destroy the amplifier.					
		[5] Positive for motion in direction of arrows on housing.					
		[6] In the interest of constant product improvement, we reserve the right to change the specification without notice.					
		TYPICAL LOW FREQUENCY RESPONSE		TYPICAL TEMPERATURE RESPONSE			
							
							
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3023A6H for more information.					



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