## PROPRIETARY AND CONFIDENTIAL

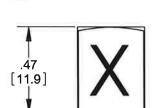
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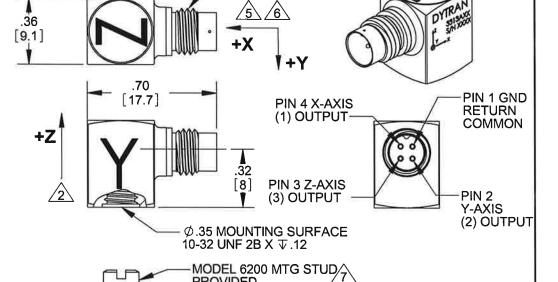
MODEL	SENSITIVITY	OPERATING TEMPERATURE
3313A1	1 mV/g	-60° TO 250° F
3313A2	5 mV/g	-60° TO 250° F
3313A3	10 mV/g	-60° TO 250° F
3313A1H	1 mV/g	-60° TO 325° F
3313A2H	5 mV/g	-60° TO 325° F
3313A3H	10 mV/g	-60° TO 325° F
3313A4	5 mV/g	-320 ° TO 250 ° F

REVISIONS						
REV.	ECN	DESCRIPTION	BY/DATE	СНК	APPR	
С	13192	NOTE 6: IS:DYTRAN 6967AXX, WASDYTRAN 6811AXX	EM 12/21/16	W	AS	

**PROVIDED** 

[9.1]





1/4-28 4-PIN CONNECTOR

RECOMMENDED MOUNTING TORQUE 6-8 lb-in.

3313AXH MATES WITH DYTRAN 6967AXX CABLE (XX= LENGTH IN FEET)

√5
√
3313AX MATES WITH DYTRAN 6811AXX OR 6824AXX CABLE (XX= LENGTH IN FEET)

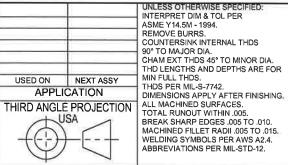
4. SENSITIVITY: SEÈ CHART

3. WEIGHT: 4 GRAMS APPROX.

ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT

1. MATERIAL: TITANIUM ALLOY

NOTES: UNLESS OTHERWISE SPECIFIED



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS **TOLERANCES ARE:** METRIC ANGLES INCHES .XX ± .03 X ±0.8 ±1° .XXX ±.010 .XX ±0.25 MATERIAL

**APPROVALS** DATE ORIG JS 06/04/10 1/3/1 **FINISH** CHK APP DO NOT SCALE DRAWING APP

CONTRACT NO.

INSTRUMENTS, Chatsworth, CA

TITLE:

**OUTLINE/INSTALLATION** DRAWING, 3313A SERIES

MOUNTING RECOMMENDATIONS:

TAP 10-32 UNF-2B ▼ .120 [3] MIN

BETTER THAN .001 TIR.

PREPARE SURFACE AT LEAST Ø.45 [14.4]

SURFACE FLATNESS MUST BE EQUAL OR

CAGE CODE DWG. NO. SIZE REV 2W033 127-3313A SOLIDWORKS SHEET 1 OF 1 SCALE: 2:1

Model Number DOC NO PERFORMANCE SPECIFICATION 3313A4 PS3313A4 TRIAXIAL IEPE ACCELEROMETER REV A. ECN 13039. 11/03/16



• WEIGHT ONLY 4 GRAMS

EXCELLENT LINEARITY     TEMPERATURE STABILITY     HERMETICALLY SEALED     IDEAL FOR CRYOGENIC APPLICATION						
	ENGLISH		SI			
PHYSICAL		_		_		
Weight, Max	0.14	oz	4.1	grams		
Connector	1/4-28. 4 - Pin		1/4-28. 4 - Pin			
Mounting Provision Tapped Hole	10-32		10-32			
Material : Housing / Connector	Titanium		Titanium			
Element Style	Quartz Planar Shear	_	Quartz Planar Shear	_		
PERFORMANCE		٦	0.54	mV/m/s <sup>2</sup>		
Sensitivity, ±10% [1] Range F.S (each axis)	5	mV/g	0.51	m/s <sup>2</sup>		
Frequency Response, ± 15%	±1000	9	±9810	_		
	1.2 to 10000	Hz	1.2 to 10000	Hz		
Equivalent Natural Frequency	> 30	kHz	> 30	kHz m/s² rms		
Equivalent Electrical Noise, Max	0.009 ± 1	grms	0.09			
Linearity [2]	5	% F.S.	± 1	% F.S.		
Maximum Transverse sensitivity		%	5	%		
Signal Polarity [3]	Positive		Positive			
ENVIRONMENTAL		_		_		
Maximum Vibration	± 2000	g's,peak	± 19620	m/s² peak		
Maximum Shock	±5000	g's,peak	± 49050	m/s² peak		
Temperature Range	-320 to +250	°F	-195 to +121	°C		
Seal	Hermetic		Hermetic	_		
Base Strain	0.006	g/με	0.06	m/s²/με		
Electrical		-		_		
Supply Current Range	2 to 20	mA	2 to 20	mA		
Compliance (Supply) Voltage Range	+ 18 to +30	Volts	+ 18 to +30	Volts		
Output Impedance,Typ	100	Ω	100	Ω		
Bias Voltage	+7 to +9	VDC	+7 to +9	VDC		

0.2 to 1.0

Case Ground

Sec

0.2 to 1.0

Case Ground

This family also includes:					
Model	Sensitivity (mV/g)	Range F.S (g)	Time Constant (sec)	Operating Temperature (°F)	
3313A1	1	± 5000	0.2 to 1.0	-60 to +250	
3313A2	5	± 1000	0.2 to 1.0	-60 to +250	
3313A3	10	± 500	0.2 to 1.0	-60 to +250	

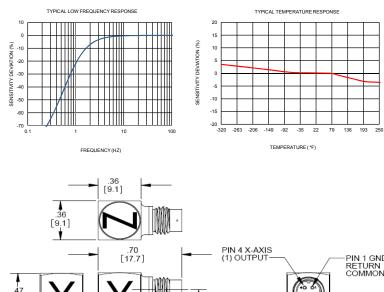
Please, refer to the performance specifications of the products in this family for detailed description

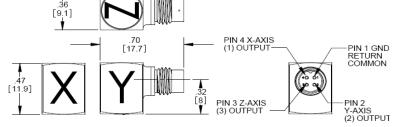
## Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Model 6200 mounting stud

## Notes:

- [1] Measure at 100Hz, 1 grms per ISA RP 37.2
- [2] Measure using zero-based straight line method, % of F.S. or any lesser range.
- [3] For motion in direction of arrows on housing.
- [4] Do not apply power to this system without current limting,20 mA MAX.To do so will destroy the
- [5] In the interest of constant product improvement, we reserve the right to change specifications without notice.
- [6] Mates with Dytran 6811AXX or 6824AXX cable (XX = Length in feet)





Units on the line drawing are in inches. Refer to 127-3313A for more information.



Discharge Time Constant

Ground Isolation

Sec