PROPRIETARY AND CONFIDENTIAL

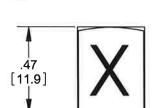
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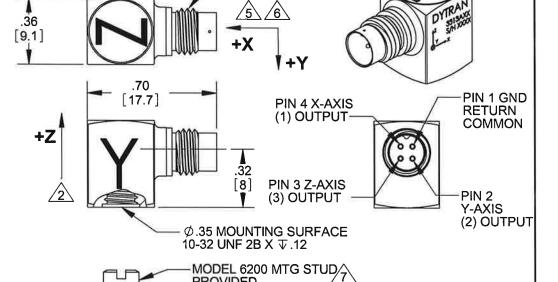
MODEL	SENSITIVITY	OPERATING TEMPERATURE
3313A1	1 mV/g	-60° TO 250° F
3313A2	5 mV/g	-60° TO 250° F
3313A3	10 mV/g	-60° TO 250° F
3313A1H	1 mV/g	-60° TO 325° F
3313A2H	5 mV/g	-60° TO 325° F
3313A3H	10 mV/g	-60° TO 325° F
3313A4	5 mV/g	-320 ° TO 250 ° F

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)

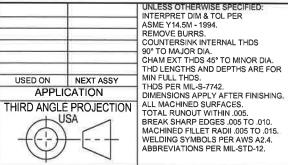
4. SENSITIVITY: SEÈ CHART

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 3313A1 PS3313A1 TRIAXIAL IEPE ACCELEROMETER REV D . ECN 9647, 0301/13

SI

4.1

1/4-28. 4 Pin

10-32

Titanium

Quartz Planar Shear

0.10

±49050

1.2 to 10000

> 30

0.69

± 1

5

Positive

± 68670

±49050 -51 to +121

Hermetic

0.06



- WEIGHT ONLY 4 GRAMS
- EXCELLENT LINEARITY
- TEMPERATURE STABILITY
- HERMETICALLY SEALED

1	
V	1900
I	

Tapped Hole

PHYSICAL

Weight, Max Connector

Mounting Provision

Material: Housing / Connector

Element Style

PERFORMANCE

Sensitivity, ±10% [1] Range F.S (each axis)

Frequency Response, ± 15%

Equivalent Natural Frequency Equivalent Electrical Noise, Max

Linearity [2]

Maximum Transverse sensitivity

Signal Polarity [3]

ENVIRONMENTAL

Maximum Vibration Maximum Shock Temperature Range

Seal

Base Strain

Electrical

Supply Current Range Compliance (Supply) Voltage Range

Output Impedence, Typ

Bias Voltage

Discharge Time Constant

Ground Isolation

	_
0.14	oz
1/4-28. 4 Pin	

ENGLISH

10-32 Titanium Quartz Planar Shear

	_
1	mV/g
±5000	g
1.2 to 10000	Hz
> 30	kHz
0.07	grms
± 1	% F.S.
5	%
Positive	

	_
± 7000	g's,peal
±5000	g's,peal
-60 to +250	°F
Hermetic	
0.006	g/με

	_
2 to 20	mA
+ 18 to +30	Volts
100	Ω
+7 to +9	VDC
0.2 to 1.0	Sec
Case Ground	

		_
2 to 20		mA
+ 18 to +30		Volts
100		Ω
+7 to +9		
0.2 to 1.0		
Case Ground		

This family also includes:

THIS ISSUED IN CONTROL OF THE CONTRO				
Model	Sensitivity (mV/g)	Range F.S (g)	Time Constant (sec)	Operating Temperature (°F)
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:

grams

mV/m/s2

m/s²

Hz

kHz

m/s² rms

% F.S.

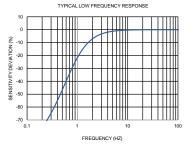
m/s2 peak

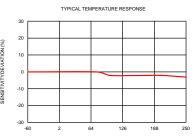
m/s2, peak

°C

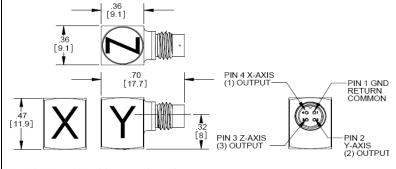
 $m/s^2/\mu\epsilon$

- [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
- IC charge amplifier.
- [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)





TEMPERATURE (*F)



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

