

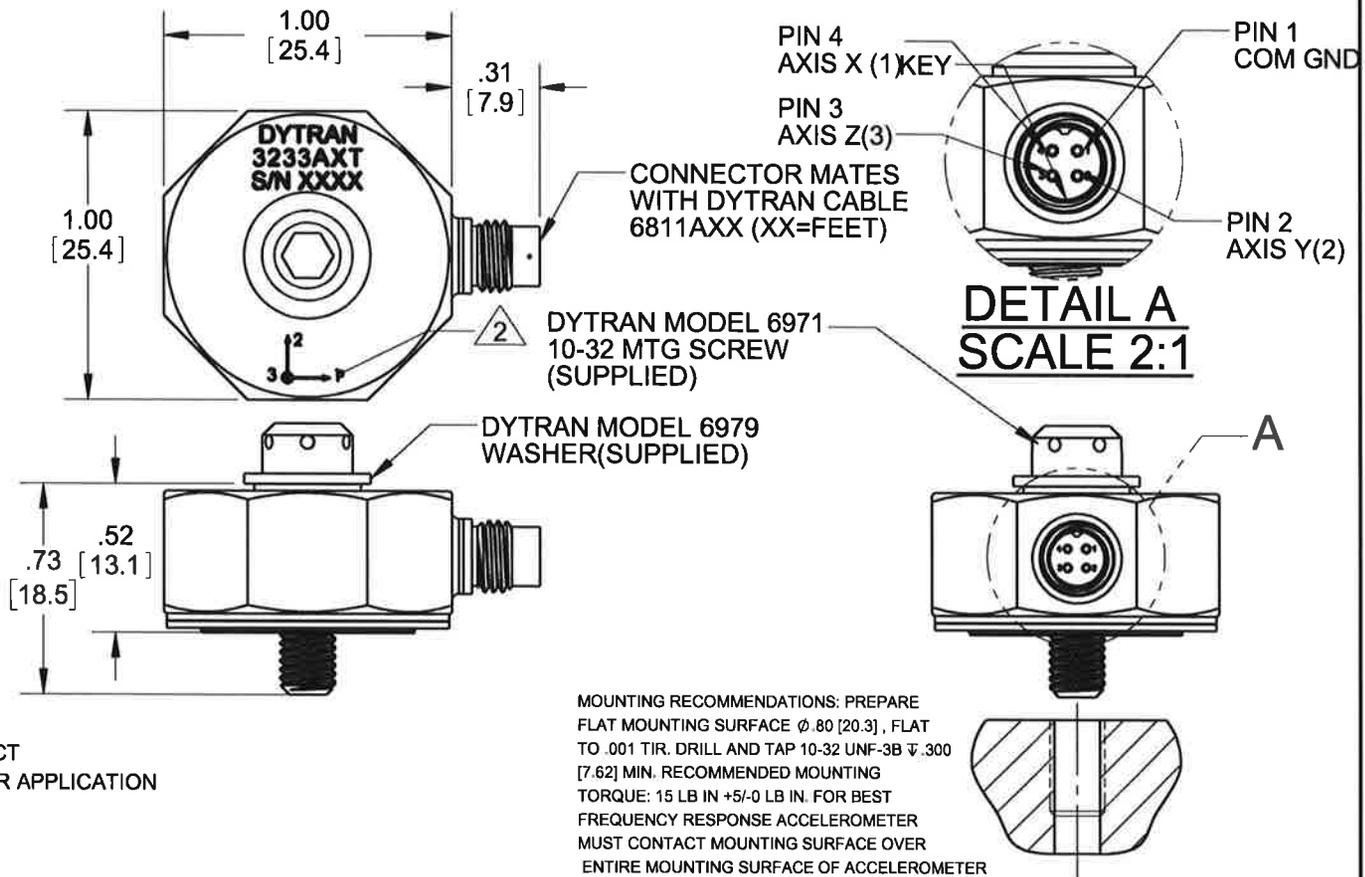
**PROPRIETARY AND CONFIDENTIAL**

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**REVISIONS**

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
D	12604	ADDED NOTE 4	JS 04/05/13	LA	W

MODEL	SENSITIVITY
3233A2T	5mV/g
3233A3T	1mV/g
3233A4T	25mV/g
3233A5T	10mV/g



- 4. MINOR VOIDS, SCARS, SCRATCHES AND MOUNTING BLEMISH/WITNESS MARKS ON EXTERIOR SURFACES ARE ALLOWED DUE TO RESTRAINING AND HANDLING DURING TESTING, TRANSPORT OR PROCESSING. THESE APPEAR AS INDICATORS THAT DO NOT AFFECT FORM, FIT OR FUNCTION AS INTENDED BY DESIGN OR APPLICATION
- 3. WEIGHT: 30 GRAMS MAX

ARROWS INDICATE DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.

- 1. MATERIAL: TITANIUM ALLOY
- NOTES: UNLESS OTHERWISE SPECIFIED

MOUNTING RECOMMENDATIONS: PREPARE FLAT MOUNTING SURFACE  $\phi .80 [20.3]$ , FLAT TO .001 TIR. DRILL AND TAP 10-32 UNF-3B  $\nabla .300 [7.62]$  MIN. RECOMMENDED MOUNTING TORQUE: 15 LB IN  $\pm 5$ -0 LB IN. FOR BEST FREQUENCY RESPONSE ACCELEROMETER MUST CONTACT MOUNTING SURFACE OVER ENTIRE MOUNTING SURFACE OF ACCELEROMETER

USED ON	NEXT ASSY	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.
APPLICATION		
THIRD ANGLE PROJECTION USA		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS TOLERANCES ARE: INCHES METRIC ANGLES .XX $\pm .03$ X $\pm 0.8$ $\pm 1^\circ$ .XXX $\pm .010$ .XX $\pm 0.25$
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.		

CONTRACT NO.	
APPROVALS	DATE
ORIG	RA 06/14/13
CHK	EM 06/30/13
APP	RT 08/02/13
APP	DV 10/01/14
DO NOT SCALE DRAWING	

**MASTER COPY IS IN RED**

Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION DRAWING, 3233A2T**

SIZE <b>A</b>	CAGE CODE <b>2W033</b>	DWG. NO. <b>127-3233A2T</b>	REV <b>D</b>
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1

<b>MODEL NUMBER</b> <b>3233A3T</b>	<b>PERFORMANCE SPECIFICATION</b>	<b>DOC NO.</b> <b>PS3233A3T</b>
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	<b>ACCELEROMETER, TRIAXIAL, IEPE</b>	REV C, ECN 12219, 09/08/15
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- TEDS CAPABILITY
- HERMETICALLY SEALED
- CASE ISOLATION
- 10-32 MOUNTING PROVISION

**PHYSICAL**

Weight, Max  
Mounting  
Connector Type [1]  
Material, Case/ Connector

ENGLISH		SI	
1.05	oz	30	grams
10-32 Screw		10-32 Screw	
4-PIN		4-PIN	
Titanium Alloy		Titanium Alloy	

**PERFORMANCE**

Sensitivity, +/-10% [2]  
Range, Full Scale (Each Axis)  
Frequency Range Axis 1 & 2, ±10%  
Frequency Range Axis 3, ± 10%  
Element Natural Frequency  
Equivalent Electrical Noise  
Linearity [3]  
Transverse Sensitivity Max

1	mV/g	0.1	mV/m/s <sup>2</sup>
5000	Gpeak	49050	m/s <sup>2</sup> peak
.4 to 3000	Hz	.4 to 3000	Hz
.4 to 6000	Hz	.4 to 6000	Hz
>20	kHz	>20	kHz
0.04	g rms	0.39	m/s <sup>2</sup> rms
±1	%F.S.	±1	%F.S.
6	%	6	%

**ENVIRONMENTAL**

Shock Max  
Vibration Max  
Operating Temperature  
TEDS Operating Temperature  
Seal

7000	g pk	68670	m/s <sup>2</sup>
6000	g pk	58860	m/s <sup>2</sup>
-60 to +302	°F	-51 to +150	°C
-40 to +185	°F	-40 to +85	°C
Hermetic		Hermetic	

**ELECTRICAL**

Supply Current Range [4]  
Compliance Voltage Range (Each Axis)  
Output Impedance, Typ.  
Output Bias Voltage  
Discharge Time Constant  
Ground Isolation, Min.  
TEDS Feature

2 to 20	mA	2 to 20	mA
+18 to +30	VDC	+18 to +30	VDC
100	Ω	100	Ω
+7.5 to +9.5	VDC	+7.5 to +9.5	VDC
1.0 to 2.0	Sec	1.0 to 2.0	sec
10	MΩ	10	MΩ
IEEE 1451.4		IEEE 1451.4	

**This family also includes:**

Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC
3233A2T	5	1000	0.01	-60 to 302	1 to 2
3233A4T	25	200	0.002	-60 to 302	1 to 2
3233A5T	10	500	0.005	-60 to 302	1 to 2

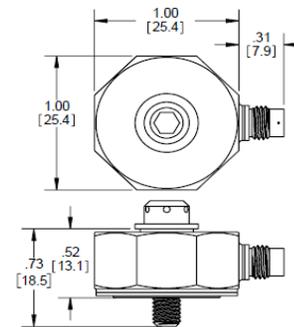
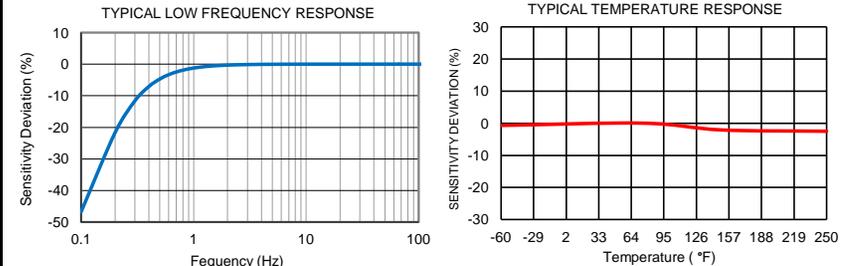
Refer to the performance specifications of the products in this family for detailed description.

**Supplied Accessories:**

- 1) Accredited Calibration Certificate (ISO 17025)
- 2) Washer 6979 and Mounting Screw 6971

**Notes:**

- [1] Connector mates with Dytran Cable Assy. Model 6811 AXX. (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 device without current limiting, 20mA Max, to do so will destroy the integral IC amplifier
- [5] Case grounded to signal, ground case isolated from mounting surface
- [6] In the Interest of constant product improvement, we reserve the right to change specifications without notice.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3233A2T for more information.



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