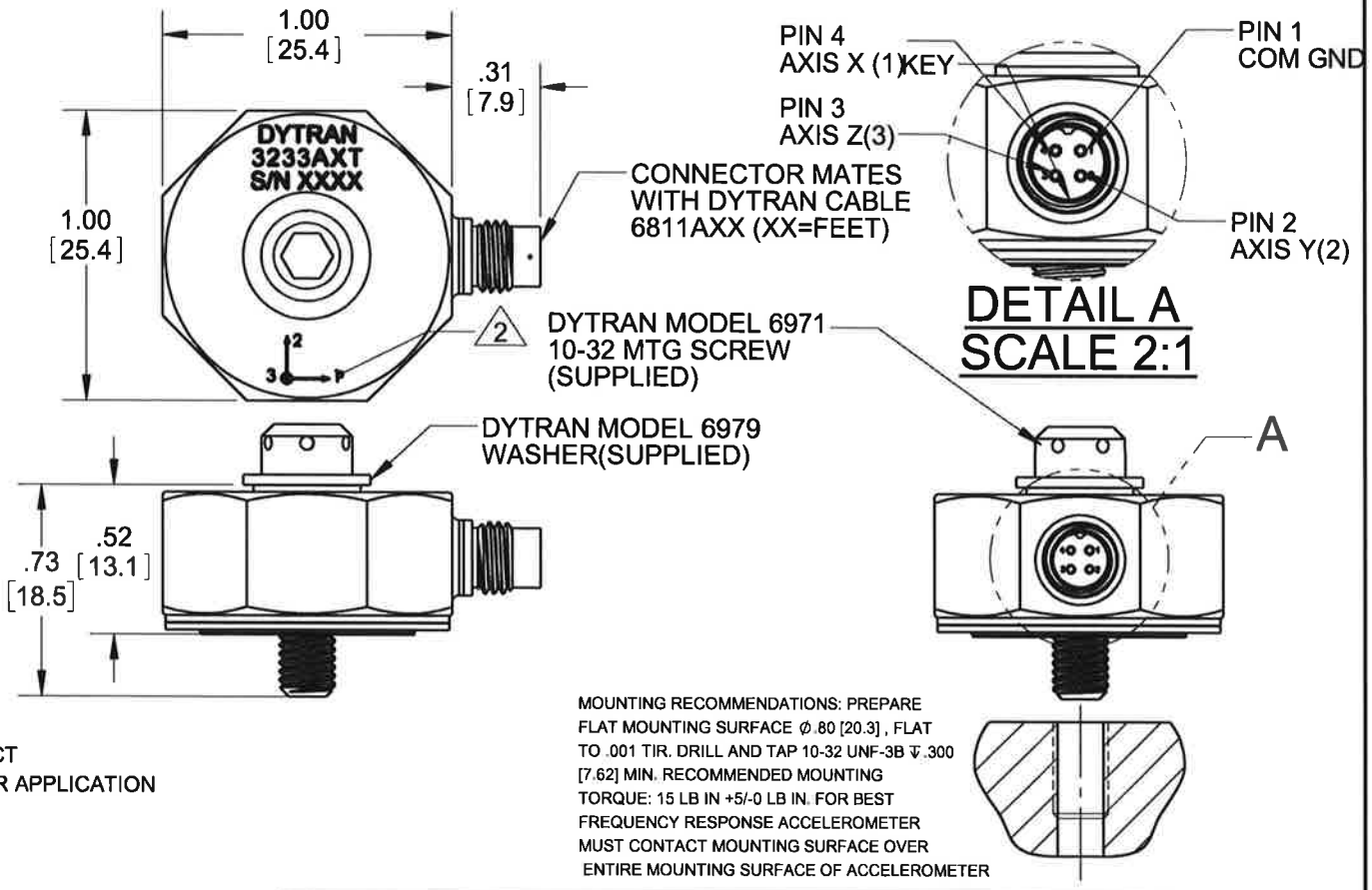
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REVISIONS					
REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
D	12604	ADDED NOTE 4	JS 04/05/13	LA	LN

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

2 ARROWS INDICATE DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.

1. MATERIAL: TITANIUM ALLOY

NOTES: UNLESS OTHERWISE SPECIFIED

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

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.
63
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

CONTRACT NO.

APPROVALS		DATE
ORIG	RA	06/14/13
CHK	EM	06/30/13
APP	RT	08/02/13
APP	DV	10/01/14

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

MASTER
ONLY IF IN RED

TITLE:

OUTLINE/INSTALLATION DRAWING, 3233A2T

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3233A2T	D

SCALE: NONE | SOLIDWORKS | SHEET 1 OF 1

MODEL NUMBER 3233A5T	PERFORMANCE SPECIFICATION	DOC NO. PS3233A5T
	ACCELEROMETER, TRIAXIAL, IEPE	REV B, ECN 12219, 09/08/15



- **TEDS CAPABILITY**
- **HERMETICALLY SEALED**
- **CASE ISOLATION**
- **10-32 MOUNTING PROVISION**

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
3233A3T	1	5000	0.04	-60 to 302	1 to 2
3233A4T	25	200	0.002	-60 to 302	1 to 2

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

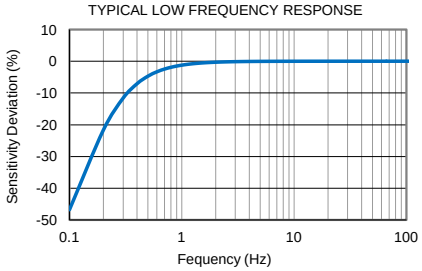
	ENGLISH		SI	
PHYSICAL				
Weight, Max	1.05	oz	30	grams
Mounting	10-32 Screw		10-32 Screw	
Connector Type [1]	4-PIN		4-PIN	
Material, Case/ Connector	Titanium Alloy		Titanium Alloy	
PERFORMANCE				
Sensitivity, +/-10% [2]	10	mV/g	1.0	$mV/m/s^2$
Range, Full Scale (Each Axis)	500	Gpeak	4905	m/s^2 peak
Frequency Range Axis 1 & 2, ±10%	.4 to 3000	Hz	.4 to 3000	Hz
Frequency Range Axis 3, ± 10%	.4 to 6000	Hz	.4 to 6000	Hz
Element Natural Frequency	>20	kHz	>20	kHz
Equivalent Electrical Noise	0.005	g rms	0.05	m/s^2 rms
Linearity [3]	±1	%F.S.	±1	%F.S.
Transverse Sensitivity Max	6	%	6	%
ENVIRONMENTAL				
Shock Max	1000	g pk	9810	m/s^2
Vibration Max	600	g pk	5886	m/s^2
Operating Temperature	-60 to +302	°F	-51 to +150	°C
TEDS Operating Temperature	-40 to +185	°F	-40 to +85	°C
Seal	Hermetic		Hermetic	
ELECTRICAL				
Supply Current Range [4]	2 to 20	mA	2 to 20	mA
Compliance Voltage Range (Each Axis)	+18 to +30	VDC	+18 to +30	VDC
Output Impedance, Typ.	100	Ω	100	Ω
Output Bias Voltage	+7.5 to +9.5	VDC	+7.5 to +9.5	VDC
Discharge Time Constant	1.0 to 2.0	Sec	1.0 to 2.0	sec
Ground Isolation, Min.	10	MΩ	10	MΩ
TEDS Feature	IEEE 1451.4		IEEE 1451.4	

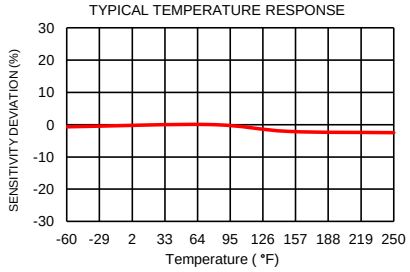
Supplied Accessories:

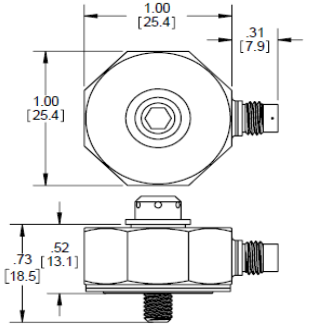
1) Accredited Calibration Certificate (ISO 17025)
2) Washer 6979 and Mounting Screw 6971

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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