

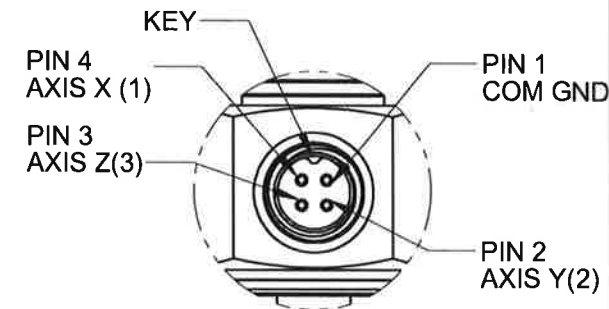
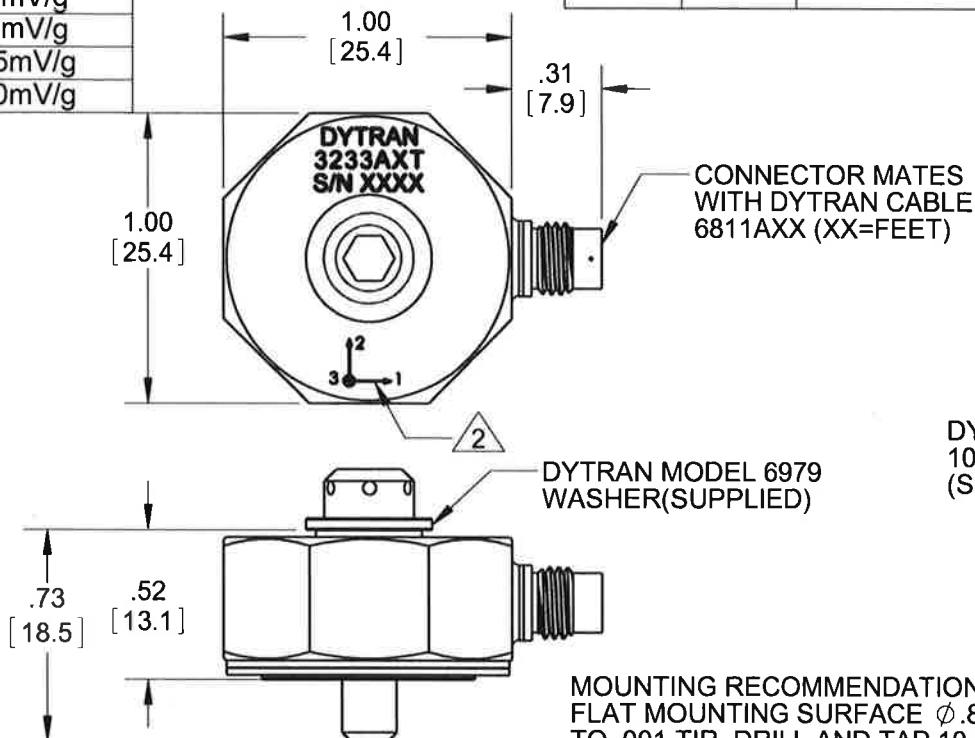
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MODEL	SENSITIVITY
3233A2T	5mV/g
3233A3T	1mV/g
3233A4T	25mV/g
3233A5T	10mV/g

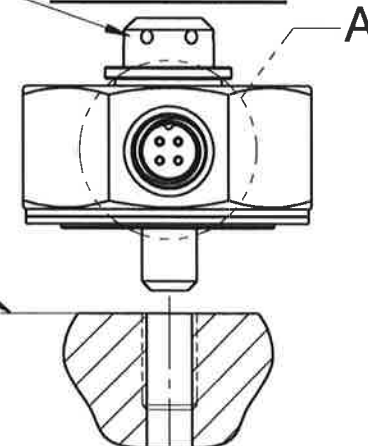
REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	11220	ADDED 3233A3T & 3233A4T	LN 09/12/14	DV	AS
C	11537	ADDED 3233A5T	JS 12/04/13	LA	LN



DETAIL A
SCALE 2:1

DYTRAN MODEL 6971
10-32 MTG SCREW
(SUPPLIED)



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 +5/-0 LB IN.
FOR BEST FREQUENCY RESPONSE ACCELEROMETER
MUST CONTACT MOUNTING SURFACE OVER ENTIRE
MOUNTING SURFACE OF ACCELEROMETER

3. WEIGHT: 30 GRAMS MAX

2. ARROWS INDICATE DIRECTION OF
ACCELERATION FOR POSITIVE OUTPUT.

1. MATERIAL: TITANIUM ALLOY

NOTES: UNLESS OTHERWISE SPECIFIED

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.	
USED ON	NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	
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 $\pm .03$.X ± 0.8 $\pm 1^\circ$.XXX $\pm .010$.XX ± 0.25		
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		

CONTRACT NO.

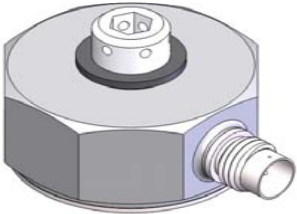
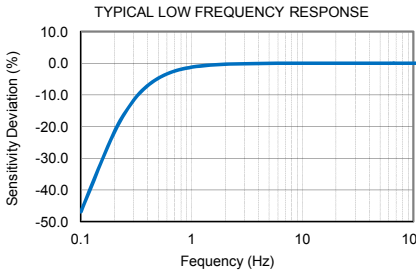
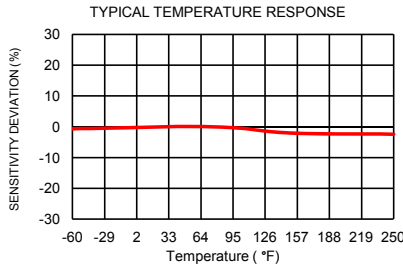
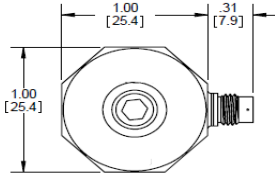
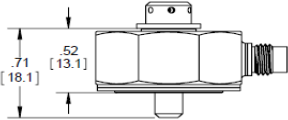


TITLE:

OUTLINE/INSTALLATION
DRAWING, 3233A2T

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

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3233A2T	C
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1

MODEL NUMBER 3233A2T	PERFORMANCE SPECIFICATION				DOC NO. PS3233A2T																								
	ACCELEROMETER, TRIAXIAL, IEPE				REV B, ECN 11537, 11/24/14																								
	• TEDS CAPABILITY • HERMETICALLY SEALED • CASE ISOLATION • 10-32 MOUNTING PROVISION																												
	ENGLISH		SI																										
	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]	5	mV/g	0.5	mV/m/s ²																									
Range, Full Scale (Each Axis)	1000	Gpeak	9810	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	0.01	g rms	0.098	m/s ² rms																									
Linearity [3]	±1	%F.S.	±1	%F.S.																									
Transverse Sensitivity Max	6	%	6	%																									
ENVIRONMENTAL																													
Shock Max	5000	g pk	49050	m/s ²																									
Vibration Max	1500	g pk	14715	m/s ²																									
Operating Temperature	-60 to +250	°F	-51 to +121	°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																										
This family also includes: <table> <tr> <th>Model</th><th>Sensitivity (mV/g)</th><th>Range (Gpeak)</th><th>Resolution (Grms)</th><th>Oper. Temp(°F)</th><th>TC</th></tr> <tr> <td>3233A3T</td><td>1</td><td>5000</td><td>0.04</td><td>-60 to 250</td><td>1 to 2</td></tr> <tr> <td>3233A4T</td><td>25</td><td>200</td><td>0.002</td><td>-60 to 250</td><td>1 to 2</td></tr> <tr> <td>3233A5T</td><td>10</td><td>500</td><td>0.005</td><td>-60 to 250</td><td>1 to 2</td></tr> </table> 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.						Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC	3233A3T	1	5000	0.04	-60 to 250	1 to 2	3233A4T	25	200	0.002	-60 to 250	1 to 2	3233A5T	10	500	0.005	-60 to 250	1 to 2
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21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880
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