

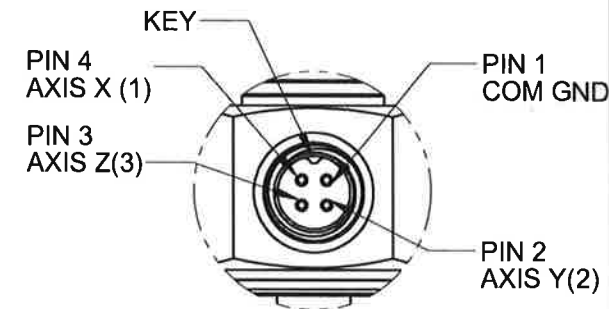
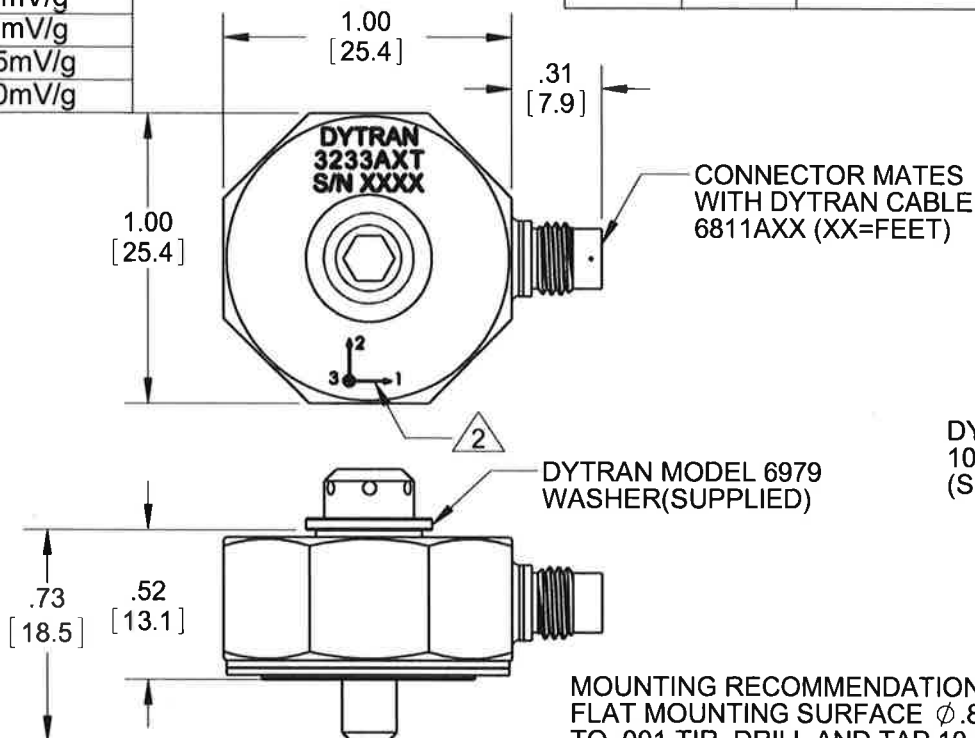
PROPRIETARY AND CONFIDENTIAL

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

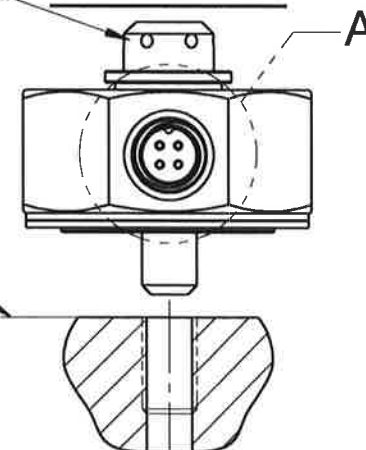
REVISIONS

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)



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 ± .03 .X ± 0.8 ± 1° .XXX ± .010 .XX ± 0.25		
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		

CONTRACT NO.



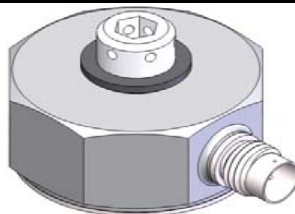
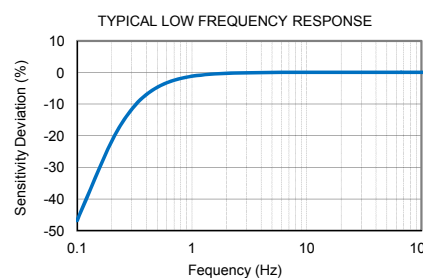
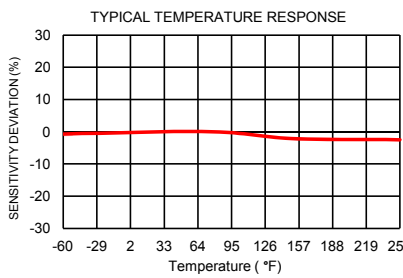
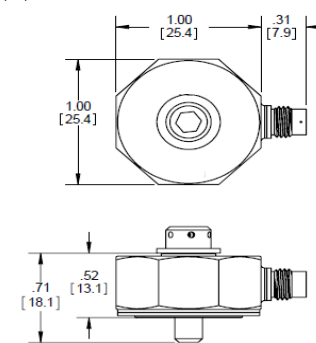
MASTER
ONLY IF IN RED
Chatsworth, CA

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 3233A4T		PERFORMANCE SPECIFICATION				DOC NO. PS3233A4T																																	
		ACCELEROMETER, TRIAXIAL, IEPE				REV B, ECN 11537, 11/24/14																																	
		• TEDS CAPABILITY • HERMETICALLY SEALED • CASE ISOLATION • 10-32 MOUNTING PROVISION				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>3233A2T</td><td>5</td><td>1000</td><td>0.01</td><td>-60 to 250</td><td>1 to 2</td></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>3233A5T</td><td>10</td><td>500</td><td>0.005</td><td>-60 to 250</td><td>1 to 2</td></tr></table>		Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(*F)	TC	3233A2T	5	1000	0.01	-60 to 250	1 to 2	3233A3T	1	5000	0.04	-60 to 250	1 to 2	3233A5T	10	500	0.005	-60 to 250	1 to 2								
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PHYSICAL Weight, Max Mounting Connector Type [1] Material, Case/ Connector		<table><tr><th colspan="2">ENGLISH</th><th colspan="2">SI</th></tr><tr><td>1.05</td><td>oz</td><td>30</td><td>grams</td></tr><tr><td>10-32 Screw</td><td></td><td>10-32 Screw</td><td></td></tr><tr><td>4-PIN</td><td></td><td>4-PIN</td><td></td></tr><tr><td>Titanium Alloy</td><td></td><td>Titanium Alloy</td><td></td></tr></table>		ENGLISH		SI		1.05	oz	30	grams	10-32 Screw		10-32 Screw		4-PIN		4-PIN		Titanium Alloy		Titanium Alloy		Refer to the performance specifications of the products in this family for detailed description.															
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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		<table><tr><td>25</td><td>mV/g</td><td>2.5</td><td>mV/m/s²</td></tr><tr><td>200</td><td>Gpeak</td><td>1962</td><td>m/s² peak</td></tr><tr><td>.4 to 3000</td><td>Hz</td><td>.4 to 3000</td><td>Hz</td></tr><tr><td>.4 to 6000</td><td>Hz</td><td>.4 to 6000</td><td>Hz</td></tr><tr><td>>20</td><td>kHz</td><td>>20</td><td>kHz</td></tr><tr><td>0.002</td><td>g rms</td><td>0.02</td><td>m/s² rms</td></tr><tr><td>±1</td><td>%F.S.</td><td>±1</td><td>%F.S.</td></tr><tr><td>6</td><td>%</td><td>6</td><td>%</td></tr></table>		25	mV/g	2.5	mV/m/s ²	200	Gpeak	1962	m/s ² peak	.4 to 3000	Hz	.4 to 3000	Hz	.4 to 6000	Hz	.4 to 6000	Hz	>20	kHz	>20	kHz	0.002	g rms	0.02	m/s ² rms	±1	%F.S.	±1	%F.S.	6	%	6	%	Supplied Accessories: 1) Accredited Calibration Certificate (ISO 17025) 2) Washer 6979 and Mounting Screw 6971			
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ENVIRONMENTAL Shock Max Vibration Max Operating Temperature TEDS Operating Temperature Seal		<table><tr><td>5000</td><td>g pk</td><td>49050</td><td>m/s²</td></tr><tr><td>3000</td><td>g pk</td><td>29430</td><td>m/s²</td></tr><tr><td>-60 to +250</td><td>°F</td><td>-51 to +121</td><td>°C</td></tr><tr><td>-40 to +185</td><td>°F</td><td>-40 to +85</td><td>°C</td></tr><tr><td>Hermetic</td><td></td><td>Hermetic</td><td></td></tr></table>		5000	g pk	49050	m/s ²	3000	g pk	29430	m/s ²	-60 to +250	°F	-51 to +121	°C	-40 to +185	°F	-40 to +85	°C	Hermetic		Hermetic		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.															
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ELECTRICAL Supply Current Range [4] Compliance Voltage Range (Each Axis) Output Impedance, Typ. Output Bias Voltage Discharge Time Constant Ground Isolation, Min. TEDS Feature		<table><tr><td>2 to 20</td><td>mA</td><td>2 to 20</td><td>mA</td></tr><tr><td>+18 to +30</td><td>VDC</td><td>+18 to +30</td><td>VDC</td></tr><tr><td>100</td><td>Ω</td><td>100</td><td>Ω</td></tr><tr><td>+7.5 to +9.5</td><td>VDC</td><td>+7.5 to +9.5</td><td>VDC</td></tr><tr><td>1.0 to 2.0</td><td>Sec</td><td>1.0 to 2.0</td><td>sec</td></tr><tr><td>10</td><td>MΩ</td><td>10</td><td>MΩ</td></tr><tr><td>IEEE 1451.4</td><td></td><td>IEEE 1451.4</td><td></td></tr></table>		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		   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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