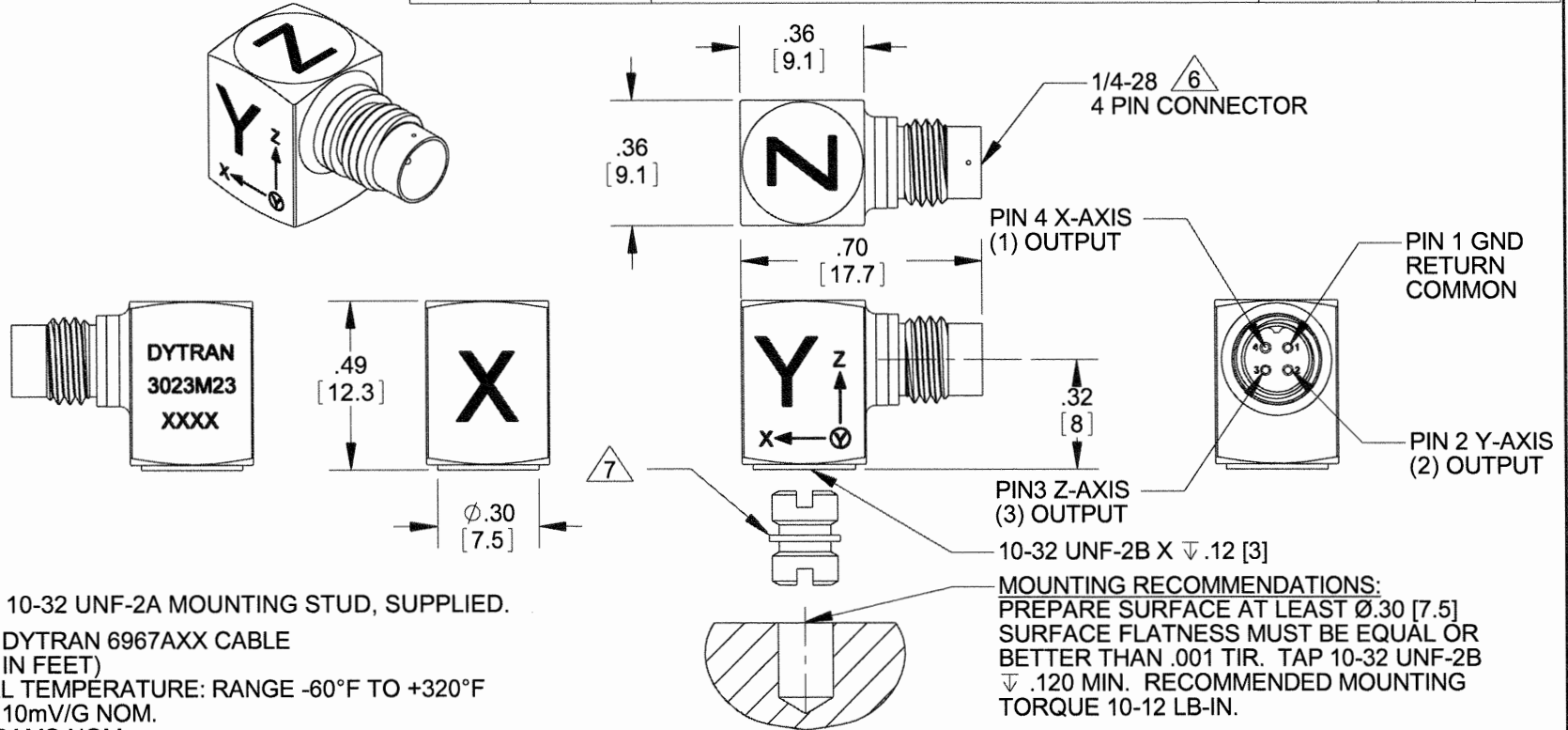


**PROPRIETARY AND CONFIDENTIAL**

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**REVISIONS**

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	10506	NOTE 6 MATES WITH DYTRAN 6967AXX... WAS: MATES WITH DYTRAN 6811AXX OR 6824AXX...	RLA, 10/29/13	RA	AB



- 7 MODEL 6200, 10-32 UNF-2A MOUNTING STUD, SUPPLIED.
- 6 MATES WITH DYTRAN 6967AXX CABLE (XX=LENGTH IN FEET)
- 5. OPERATIONAL TEMPERATURE: RANGE -60°F TO +320°F
- 4. SENSITIVITY: 10mV/G NOM.
- 3. WEIGHT: 4 GRAMS NOM
- 2. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT
- 1. MATERIAL: TITANIUM ALLOY

**MOUNTING RECOMMENDATIONS:**  
 PREPARE SURFACE AT LEAST Ø.30 [7.5]  
 SURFACE FLATNESS MUST BE EQUAL OR BETTER THAN .001 TIR. TAP 10-32 UNF-2B  
 .120 MIN. RECOMMENDED MOUNTING TORQUE 10-12 LB-IN.

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. 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.	
3023M23	USED ON NEXT ASSY
APPLICATION	
THIRD ANGLE PROJECTION USA	

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	
ORIG	PML
CHK	CES
APP	PML
DATE	5/24/07
DATE	08/21/07
DATE	08/21/07

**DYTRAN INSTRUMENTS, INC.** MASTER ONLY IF IN RED Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION DRAWING, MODEL 3023M23**

SIZE	CAGE CODE	DWG. NO.	REV
<b>A</b>	<b>2W033</b>	<b>127-3023M23</b>	<b>C</b>
SCALE: 4:1	SOLIDWORKS	SHEET 1 OF 1	



- STUD MOUNT
- EXCELLENT LINEARITY
- ULTRA LOW WEIGHT

**PHYSICAL**

Weight, Max.  
Connector  
Mounting Provision  
Material, Housing/Connector  
Sensing Element  
Element Style

ENGLISH		SI	
0.14	oz	4.0	grams
4- PIN		4- PIN	
10-32 Tapped Hole		10-32 Tapped Hole	
Titanium Alloy		Titanium Alloy	
Quartz		Quartz	
Shear		Shear	

**PERFORMANCE**

Sensitivity, -10 / +15% [1]  
Range for ± 5 Volts Output  
Frequency Response  
Resonant Frequency  
Broad Band Resolution  
Spectral Noise  
Linearity [2]  
Maximum Transverse Sensitivity  
Strain Sensitivity @ 250µε

10	mV/g	1	mV/m/s <sup>2</sup>
±500	g	±9807	m/s <sup>2</sup>
1.5 to 5000	Hz	1.5 to 5000	Hz
1.5 to 10000	Hz	1.5 to 10000	Hz
> 40	kHz	> 40	kHz
0.007	Grms	0.069	m/s <sup>2</sup> rms
1.25Hz	µGrms/v(Hz)	0.003	µm/s <sup>2</sup> rms/v(Hz)
10Hz	µGrms/v(Hz)	0.001	µm/s <sup>2</sup> rms/v(Hz)
100Hz	µGrms/v(Hz)	0.0002	µm/s <sup>2</sup> rms/v(Hz)
1000Hz	µGrms/v(Hz)	0.0001	µm/s <sup>2</sup> rms/v(Hz)
10000Hz	µGrms/v(Hz)	0.00004	µm/s <sup>2</sup> rms/v(Hz)
1	% F.S.	1	% F.S.
5	%	5	%
0.006	g/µε	0.06	m/s <sup>2</sup> /µε

**ENVIRONMENTAL**

Maximum Vibration  
Maximum Shock  
Temperature Range  
Seal

±600	Gpeak	±5884	m/s <sup>2</sup> peak
5000	Gpeak	49033	m/s <sup>2</sup> peak
-60 to +250	°F	-51 to +121	°C
Hermetic		Hermetic	

**ELECTRICAL**

Supply Current Range [3]  
Compliance Voltage Range  
Output Impedance, Typ  
Bias Voltage  
Discharge Time Constant  
Electrical Isolation

2 to 20	mA	2 to 20	mA
18 to 30	Volts	18 to 30	Volts
100	Ω	100	Ω
7 to 11	VDC	7 to 11	VDC
0.3 to 1.5	Sec	0.3 to 1.5	Sec
Case Grounded	GΩ,min	Case Grounded	GΩ,min

**This family also includes:**

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)

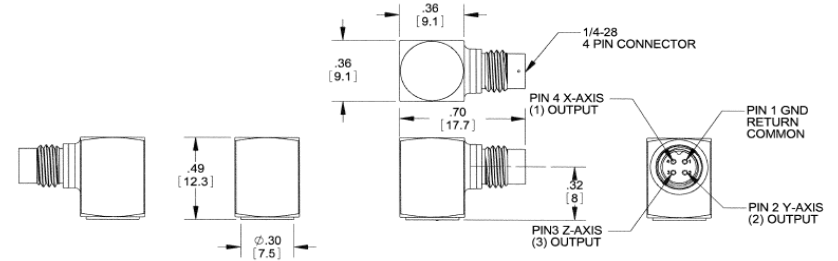
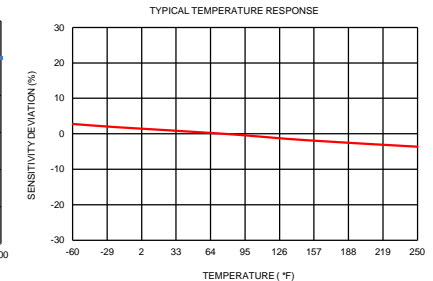
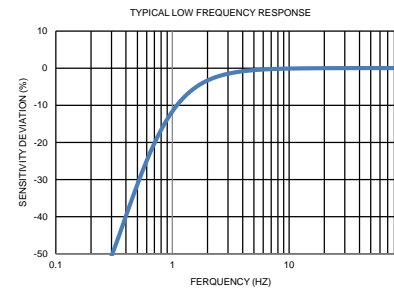
Refer to the performance specifications of the products in this family for detailed description

**Supplied Accessories:**

- 1) Accredited calibration certificate (ISO 17025)
- 2) Model 6200 Mounting Stud, Quantity 1

**Notes:**

- [1] Measured 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] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.
- [4] 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 127-3023M23 for more information.



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