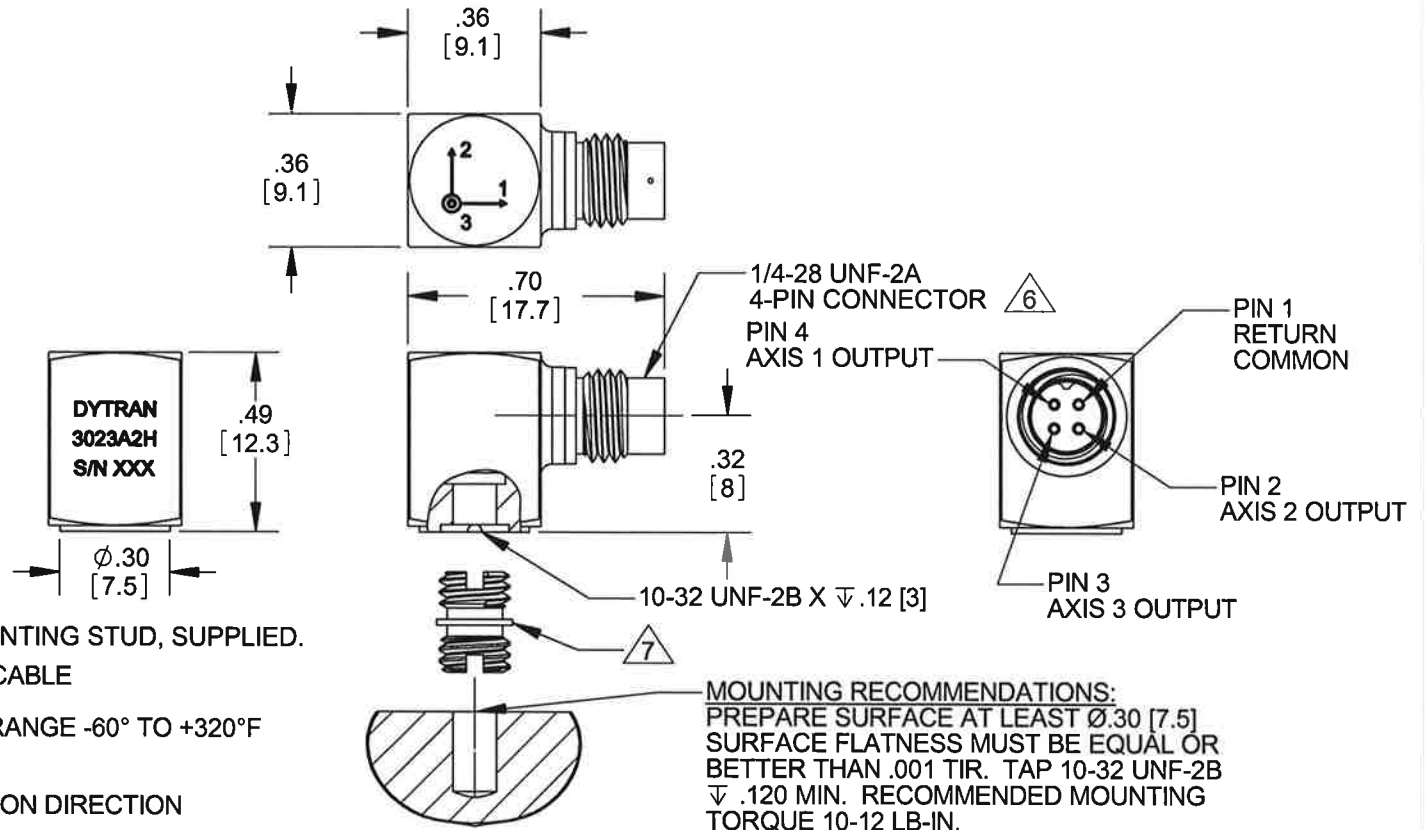
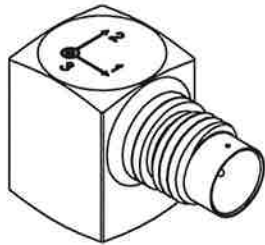


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
C	13040	NOTE $\triangle 6$ 6967AXX WAS: 6811AXX OR 6824AXX	RA, 12/04/09	MH	LW



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

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

NOTES: UNLESS OTHERWISE SPECIFIED.

CONTRACT NO.



TITLE:
MARKING DRAWING, 3023A2

APPROVALS		DATE
ORIG	PML	04/04/07
CHK	DV	08/13/08
APP	ANS	08/14/08
APP		

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3023A2H	C
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1

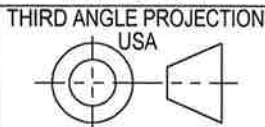
UNLESS OTHERWISE SPECIFIED:
 INTERPRET DIM & TOL PER ASME Y14.5M - 1994.
 REMOVE BURRS.
 COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA.
 CHAM EXT THDS 45° TO MINOR DIA.
 THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS.
 THDS PER MIL-S-7742.
 DIMENSIONS APPLY AFTER FINISHING.
 ALL MACHINED SURFACES.
 TOTAL 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.

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 ± 0.10 .XX ± 0.25

MATERIAL

FINISH

DO NOT SCALE DRAWING



MODEL NUMBER 3023A2H	PERFORMANCE SPECIFICATION	DOC NO. PS3023A2H
	ACCELEROMETER, TRIAXIAL, IEPE	REV F ECN 13040 10/20/16



- HIGH TEMPERATURE
- HERMETICALLY SEALED
- MINIATURE SIZE

PHYSICAL

Weight
Mounting
Connector [1]
Material, Housing / Connector

ENGLISH		SI
0.14	oz	4.0
10-32 Tapped Hole		10-32 Tapped Hole
4-pin		4-pin
Titanium		Titanium

PERFORMANCE

Sensitivity, -10 + 15% [2]
Range F.S. (each axis)
Frequency Response, +/-10%

	ENGLISH		SI	
	10	mV/g	1.02	mV/m/s ²
	±500	g	4900.00	m/s ²
1-Axis	2 to 5000	Hz	2 to 5000	Hz
2-Axis	2 to 5000	Hz	2 to 5000	Hz
3-Axis	2 to 10000	Hz	2 to 10000	Hz
Element Natural Frequency				
1-Axis	20	kHz	20	kHz
2-Axis	25	kHz	25	kHz
3-Axis	30	kHz	30	kHz
Equivalent Electrical Noise	0.007	grms	0.0686	m/s ² rms
Linearity [3]	1	%F.S.	1	%F.S.
Transverse Sensitivity Max	6	%	6	%
Signal Polarity	[5]		[5]	

ELECTRICAL

Supply Current Range [4]
Compliance Voltage Range
Output Impedance, Typ.
Output Bias Voltage
Discharge Time Constant
Ground Isolation

ENGLISH		SI
2 to 20	mA	2 to 20
+18 to +30	VDC	+18 to +30
100	Ω	100
7 to 11	VDC	7 to 11
0.2 - 1.0	sec	0.2 - 1.0
Case Ground		Case Ground

ENVIRONMENTAL

Maximum Shock
Maximum Vibration
Temperature Range
Environmental Seal
Coefficient of Thermal Sensitivity

ENGLISH		SI
5000	g pk	49050
±600	g pk	±5880
-60 to +320	°F	-51 to +160
Hermetic		Hermetic
0.015	% / °F	0.015

This family also includes:

Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC

Please, refer to the performance specifications of the products in this family for detailed description

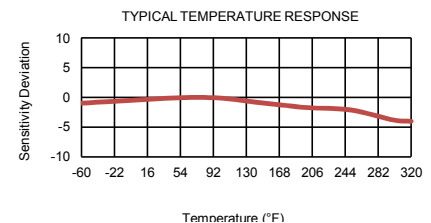
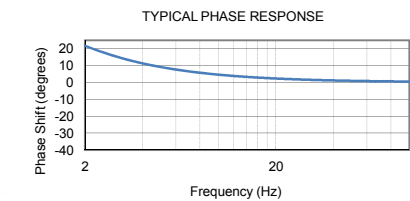
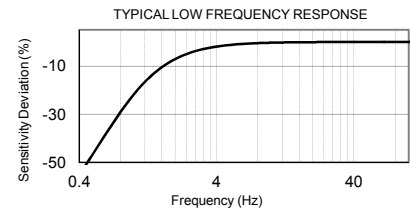
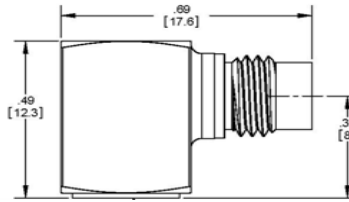
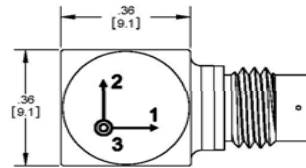
Supplied Accessories:

- 1) Accredited Calibration Certificate (ISO 17025)
- 2) Model 6200 Mounting Stud, Qty 1.

Notes:

- [1] Connector mates with Dytran's cable assy. Model 6967AXX. (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] Power only with Dytran IEPE power unit or other Dytran-compatible constant current type power unit. If power is applied without current limiting protection, the internal amplifier will be destroyed.
- [5] Positive for motion in direction of arrows on housing.

without notice.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3023A2H for more information.

