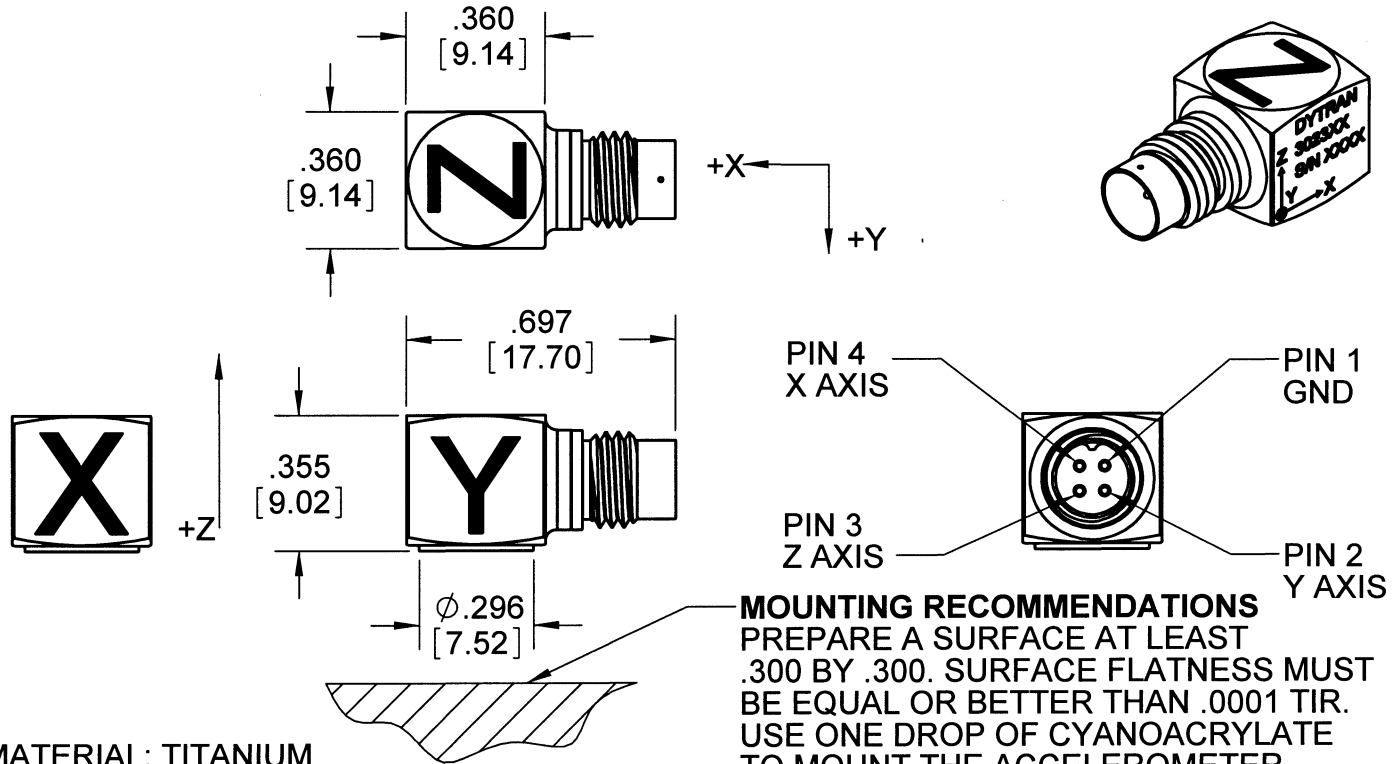


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	6096	INITIAL RELEASE	JS 07/22/09	<i>[Signature]</i>	AUS



5. MAX TEMP: 325° F
4. SENSITIVITY: 10mV/g
3. HOUSING/CONNECTOR MATERIAL: TITANIUM
2. ARROWS INDICATE DIRECTIONS OF ACCELERATION FOR POSITIVE OUTPUT
1. WEIGHT 3.0 GRAMS

MOUNTING RECOMMENDATIONS
 PREPARE A SURFACE AT LEAST .300 BY .300. SURFACE FLATNESS MUST BE EQUAL OR BETTER THAN .0001 TIR. USE ONE DROP OF CYANOACRYLATE TO MOUNT THE ACCELEROMETER.

NOTES: UNLESS OTHERWISE SPECIFIED

USED ON	NEXT ASSY	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.
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
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.		

CONTRACT NO.	
MATERIAL	APPROVALS
FINISH	DATE
	ORIG JS 07/21/09
	CHK <i>[Signature]</i> 07/22/09
	APP <i>[Signature]</i> 7/22/09
DO NOT SCALE DRAWING	

Chatsworth, CA

MASTER ONLY IF IN RED

TITLE: **OUTLINE/INSTALLATION DRAWING 3023M30**

SIZE: A	CAGE CODE: 2W033	DWG. NO.: 127-3023M30	REV: A
SCALE: 2:1	SOLIDWORKS	SHEET 1 OF 1	

MODEL NUMBER 3023M30	PERFORMANCE SPECIFICATION	DOC NO. PS3023M30
	ACCELEROMETER, TRIAXIAL, IEPE	REV C, ECN 10907, 04/15/2014



Actual Size

- HIGH TEMPERATURE
- HERMETICALLY SEALED
- MINIATURE SIZE

PHYSICAL

Weight
Mounting
Connector [1]
Material, Housing / Connector

ENGLISH		SI	
0.105	oz	3.0	grams
Adhesive		Adhesive	
4-pin		4-pin	
Titanium		Titanium	

PERFORMANCE

Sensitivity, -10 + 15% [2]
Range F.S. (each axis)
Frequency Response, +15/-5%
Element Natural Frequency
Equivalent Electrical Noise
Linearity [3]
Transverse Sensitivity Max
Signal Polarity

10	mV/g	1.02	mV/m/s ²
±500	g	4900.00	m/s ²
1.5 to 10,000	Hz	1.5 to 10,000	Hz
30	kHz	30	kHz
0.007	grms	0.0686	m/s ² rms
1	%F.S.	1	%F.S.
6	%	6	%
[5]		[5]	

ELECTRICAL

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

2 to 20	mA	2 to 20	mA
+18 to +30	VDC	+18 to +30	VDC
100	Ω	100	Ω
9 to 11	VDC	9 to 11	VDC
0.3 to 1.0	sec	0.3 to 1.0	sec
Case Ground		Case Ground	

ENVIRONMENTAL

Maximum Shock
Maximum Vibration
Temperature Range
Environmental Seal

5000	g pk	49050	m/s ²
±600	g pk	±5880	m/s ²
-60 to +325	°F	-51 to +163	°C
Hermetic		Hermetic	

This family also includes:

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

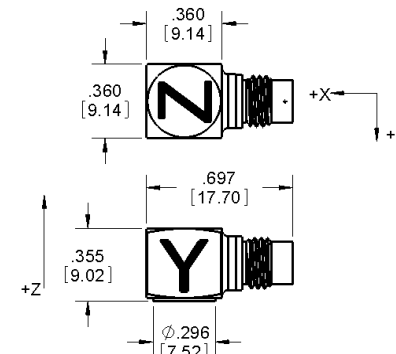
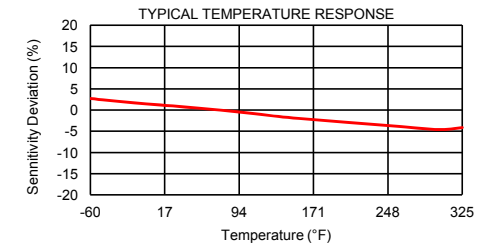
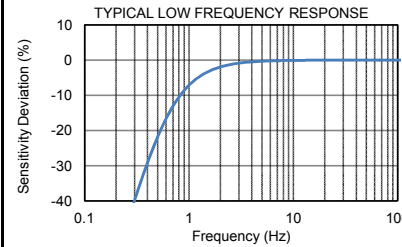
Please, refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited Calibration Certificate (ISO 17025)

Notes:

- [1] Connector mates with Dytran cable assy. Model 6811AXX. (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.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3023M30 for more information.



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