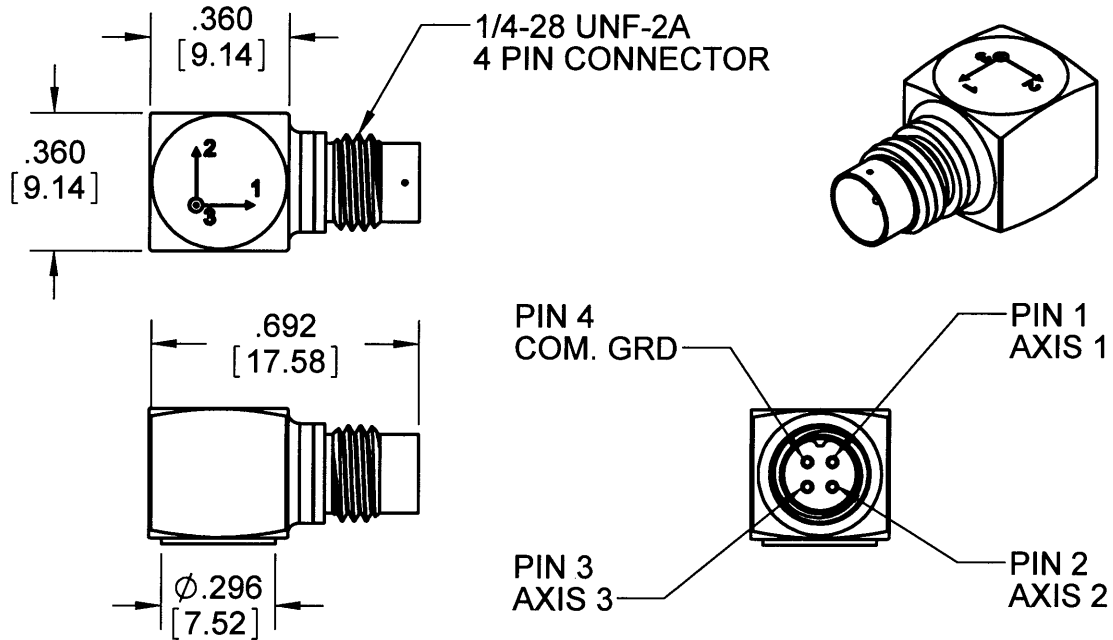


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5497	INITIAL RELEASE	09/23/08	Ans	DV



5. DIMENSIONS IN BRACKETS ARE IN MM
4. SENSITIVITY: 1mV/g
3. HOUSING/CONNECTOR MATERIAL: TITANIUM
2. ARROWS INDICATE DIRECTIONS OF ACCELERATION FOR POSITIVE OUTPUT
1. WEIGHT 3.0 GRAMS

NOTES

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.

APPLICATION	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.
THIRD ANGLE PROJECTION USA	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .XX ± .010 ± 1° .XXX ± .005
	MATERIAL
	FINISH
	DO NOT SCALE DRAWING
	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.	
APPROVALS	DATE
ORIG	PML 06/12/05
CHK	Ans 9/21/08
APP	
APP	

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

TITLE:
OUTLINE/INSTALLATION DRAWING, MODEL 3023A5

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3023A5	A
SCALE: 1:1	SOLIDWORKS	SHEET 1 OF 1	



PERFORMANCE SPECIFICATION MODEL 3023A5 ACCELEROMETER, IEPE, TRIAXIAL



Actual Size

FEATURES:

- MINIATURE SIZE
- TEMPERATURE STABILITY
- WEIGHT ONLY 3 GRAMS

PHYSICAL

Connector

Mounting

Weight

Housing

Material

Isolation

Units

3023A5

1/4-28 UNF-2A

Adhesive

3

Titanium

Case Grounded

PERFORMANCE

Sensitivity, $\pm 5\%$

Measurement Range

Frequency Range, $\pm 15\%/-5\%$

Phase response, $\pm 5^\circ$

Resonance Frequency

Spectral noise

1.25 Hz

10 Hz

100 Hz

1000 Hz

10000 Hz

mV/g

$\pm gpk$

Hz

Hz

kHz

$\mu g/\text{sq}(\text{Hz})$

$\mu g/\text{sq}(\text{Hz})$

$\mu g/\text{sq}(\text{Hz})$

$\mu g/\text{sq}(\text{Hz})$

$\mu g/\text{sq}(\text{Hz})$

%

1.0

5000

0.55 to 10000

0.8 to 3000

30

8100

2500

1100

630

550

5

Transverse Sensitivity, MAX

ENVIRONMENTAL

Max Shock/Max Vibration

Operating Temperature

Seal

Thermal Sensitivity, TYP

Magnetic Sensitivity, TYP

Base Strain Sensitivity, MAX

g pk

$^\circ\text{F}$

$\%/\text{^\circ F}$

g/Gauss

$g/\mu\epsilon$

7000/6000

-60 to 250

Hermetic

0.02

0.00007

0.04

ELECTRICAL

Supply Current

Compliance Voltage

Output Bias

Output Impedance

Discharge Time Constant

Warm-up Time

Room Temp

mA

Vdc

Vdc

Ω

sec

sec

2 to 20

18 to 30

8.0 to 10.0

100

0.4 to 0.5

1

NONE

ACCESSORIES SUPPLIED

