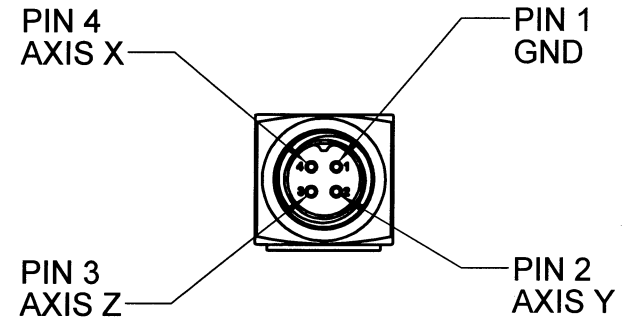
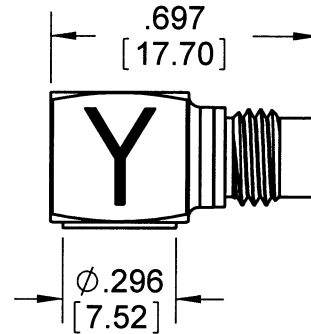
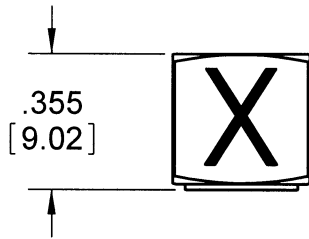
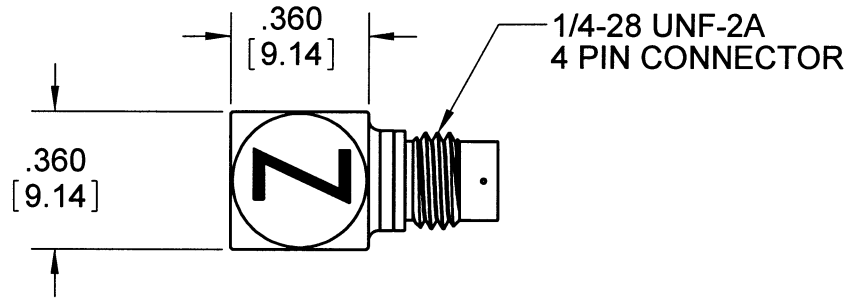


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	5806	SEE ECN	JS 03/02/09	PA	JL



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

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

APPLICATION

THIRD ANGLE PROJECTION USA

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. TOLERANCES ARE:

DECIMALS	ANGLES
.XX ± .010	± 1°
.XXX ± .005	

MATERIAL

FINISH

DO NOT SCALE DRAWING

CONTRACT NO.

APPROVALS		DATE
ORIG	PML	06/12/05
CHK	ANS	09/29/08
APP	JL	3/5/09
APP		

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

MASTER ONLY IF IN RED

TITLE: **OUTLINE/INSTALLATION DRAWING, MODEL 3023A5**

SIZE A	CAGE CODE 2W033	DWG. NO. 127-3023A5	REV B
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

μ g/sqr(Hz)

μ g/sqr(Hz)

μ g/sqr(Hz)

μ g/sqr(Hz)

μ g/sqr(Hz)

%

1.0

5000

1.2 to 10000

4.5 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

$^\circ$ F

$\%/^\circ$ 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

ACCESSORIES SUPPLIED

NONE

