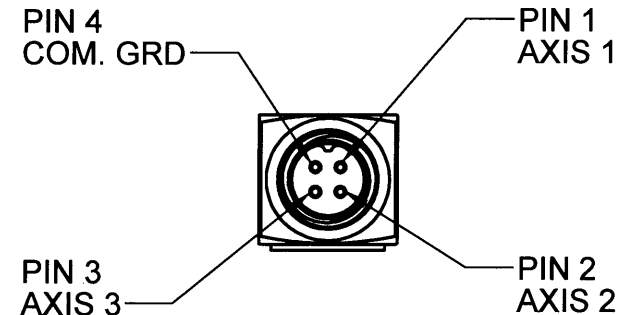
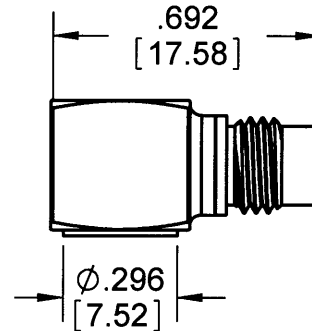
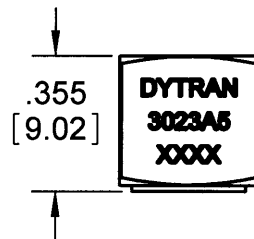
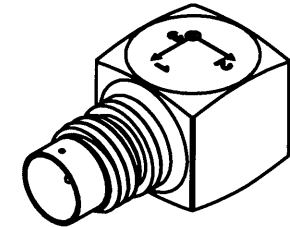
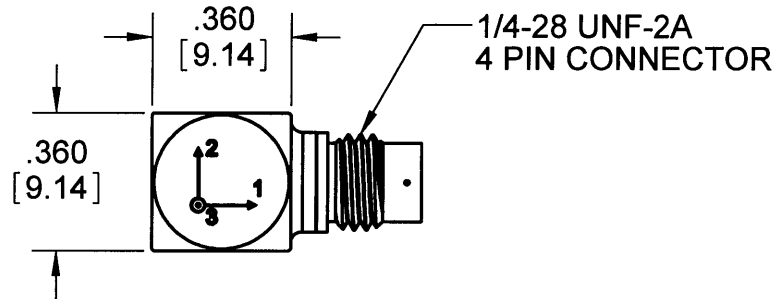


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REVISIONS

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.



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.		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .XX ± .010 ± 1° .XXX ± .005		CONTRACT NO.		DYTRAN INSTRUMENTS, INC. Chatsworth, CA		MASTER ONLY IF IN RED	
				APPROVALS					
APPLICATION		MATERIAL		ORIG		PML		06/12/05	
THIRD ANGLE PROJECTION USA		FINISH		CHK		Ans		9/21/08	
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		DO NOT SCALE DRAWING		APP		APP			
				SIZE		CAGE CODE		DWG. NO.	
				A		2W033		127-3023A5	
				SCALE: 1:1		SOLIDWORKS		SHEET 1 OF 1	
				REV		A			



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

$\pm g_{pk}$

Hz

Hz

kHz

$\mu g/\sqrt{Hz}$

$\mu g/\sqrt{Hz}$

$\mu g/\sqrt{Hz}$

$\mu g/\sqrt{Hz}$

$\mu g/\sqrt{Hz}$

%

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

$^\circ F$

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

