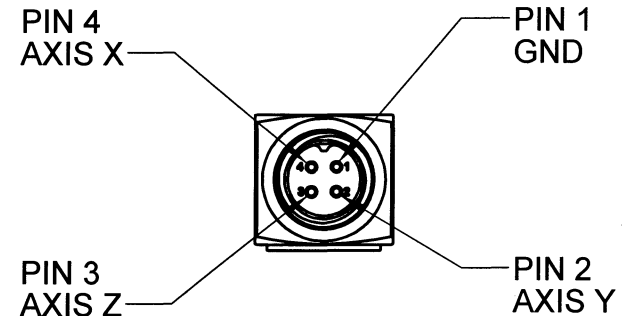
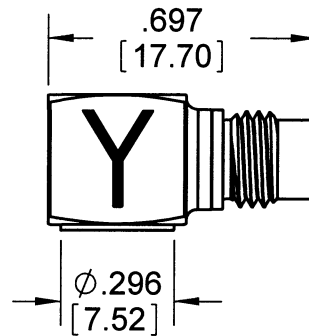
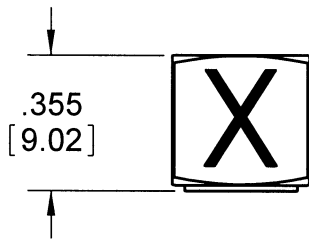
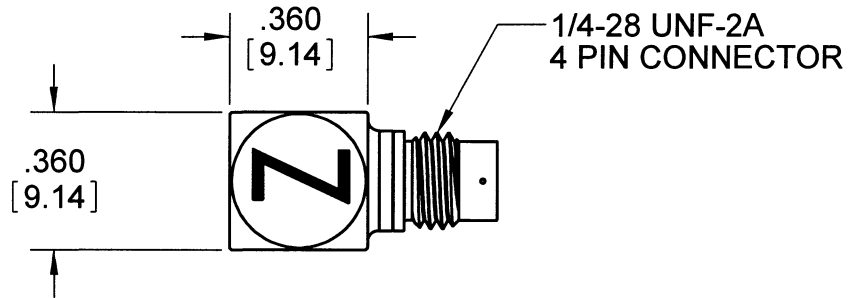


**PROPRIETARY AND CONFIDENTIAL**

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**REVISIONS**

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



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: UNLESS OTHERWISE SPECIFIED

**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

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	DL	3/5/9
APP		

**DYTRAN INSTRUMENTS, INC.** Chatsworth, CA

**MASTER ONLY IF IN RED**

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

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



**SPECIFICATIONS, MODEL 3023A5 TRIAXIAL ACCELEROMETER**

<b>SPECIFICATIONS</b>	<b>VALUE</b>	<b>UNITS</b>
<b>PHYSICAL</b>		
WEIGHT	3.0	GRAMS
SIZE (HEIGHT x WIDTH x DEPTH)	0.36 x .36 x .36	INCHES
MOUNTING	ADHESIVE MOUNT	
CONNECTOR	4-PIN [1]	
MATERIAL, HOUSING/CONNECTOR	TITANIUM ALLOY	
<b>PERFORMANCE</b>		
SENSITIVITY, +/- 5% [2]	1.0	mV/g
RANGE, F.S. (each axis)	+/- 5000	g
FREQUENCY RESPONSE, -5 / +15%	1.2 to 10000	Hz
RESONANT FREQUENCY, NOM.	30	kHz
EQUIVALENT ELECTRICAL NOISE, 25Hz to 25 kHz	0.09	g, RMS
	0.04	
LINEARITY [3]	1	%F.S.
TRANSVERSE SENSITIVITY, MAX,	5	%
SIGNAL POLARITY	POSITIVE FOR MOTION IN DIRECTION OF ARROWS ON HOUSING	
<b>ENVIRONMENTAL</b>		
MAXIMUM VIBRATION	+/- 6000	G
MAXIMUM SHOCK	7000	G
TEMPERATURE RANGE	-60 to +250	°F
ENVIRONMENTAL SEAL	HERMETIC	
COEFFICIENT OF THERMAL SENSITIVITY	.02	%/°F
MAGNETIC SENSITIVITY, TYP	0.00007	g/Gauss
BASE STRAIN SENSITIVITY, MAX	0.04	g/με
<b>ELECTRICAL</b>		
SUPPLY CURRENT RANGE, (each axis) [4]	2-to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE (each axis)	+18 to +30	VDC
OUTPUT IMPEDANCE, TYP.	100	OHMS
OUTPUT BIAS VOLTAGE	+7 to +11	VDC
DISCHARGE TIME CONSTANT	0.3 to 0.7	SEC
GROUND ISOLATION	CASE GROUNDED	
WARM-UP TIME	1.0	SEC

[1] Connector mates with Dytran cable assy. Model 6811Axx. (xx = length in feet)

[2] Reference sensitivity measured at 100 Hz, 1 g RMS per ISA RP 37.2

[3] Linearity is % of specified full scale (or any lesser full scale range), zero-based best fit straight line method.

[4] Power only with Dytran LIVM power unit or other Dytran-compatible constant current type power unit. If power is applied without current limiting protection, the internal amplifier will be immediately destroyed.