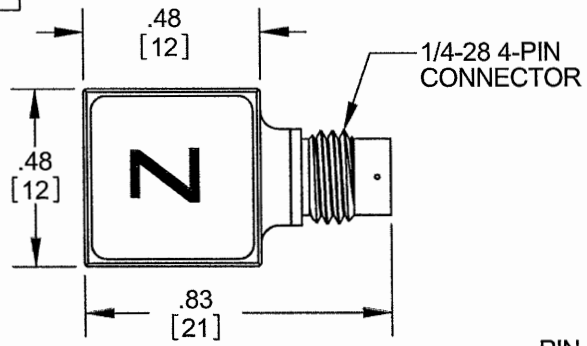
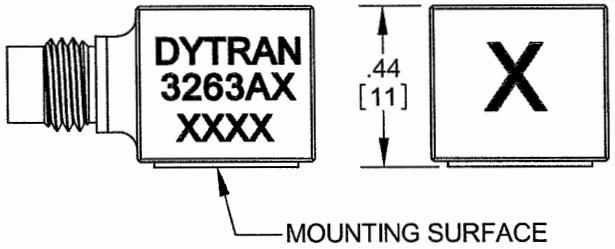
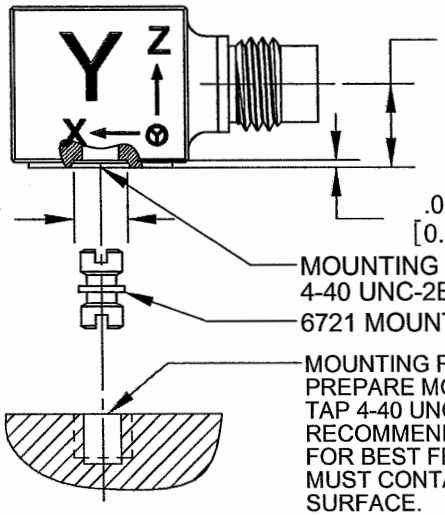
REVISIONS

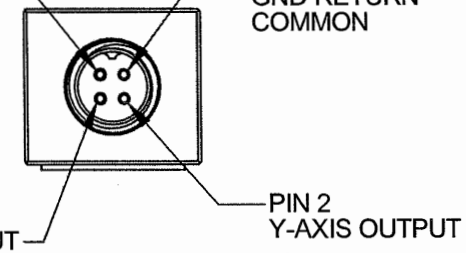
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	8131	ADDED: 3263A2 & A3, NOTE 3 IS: ...MAX WAS:.. NOMINAL	JS 12/14/11		

MODEL	SENSITIVITY
3263A1	10 mV/g
3263A2	100 mV/g
3263A3	50 mV/g









4. MATES WITH DYTRAN MODEL 6811AXX (XX = LENGTH IN FEET)
3. WEIGHT: 5.6 GRAMS MAX
2. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
1. HOUSING MATERIAL: TITANIUM ALLOY

NOTES: UNLESS OTHERWISE SPECIFIED.

MOUNTING RECOMMENDATIONS:
PREPARE MOUNTING SURFACE FLAT TO .001TIR.
TAP 4-40 UNC-2B ↧ .125 [3.2] MINIMUM.
RECOMMENDED MOUNTING TORQUE: 6-8 LB IN.
FOR BEST FREQUENCY RESPONSE MOUNTING SURFACE MUST CONTACT ENTIRE ACCELEROMETER MOUNTING SURFACE.

USED ON	NEXT ASSY
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.
DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS
TOLERANCES ARE:

INCHES	METRIC	ANGLES
.XX ± .03	.X ± 0.8	± 1°
.XXX±.010	.XX ±0.25	

MATERIAL

FINISH

DO NOT SCALE DRAWING

CONTRACT NO.

APPROVALS		DATE
ORIG	RA	9/9/06
CHK	JS	09/09/11
APP	DV	09/27/11
APP		

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

MASTER
ONLY IF IN RED

TITLE:
OUTLINE/INSTALLATION DRAWING, MODEL 3263A SERIES ACCELEROMETER

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3263A3	B

SCALE: NONE | SOLIDWORKS | SHEET 1 OF 1

172-0081, REV C

Presented by: Absolute Gauge Technologies
sales@absolutegauge.com; www.absolutegauge.com,
Toronto: 416 754 3168, Montreal: 514 695 5147, Toll Free: 1 888 754 7008

MODEL NUMBER 3263A2	PERFORMANCE SPECIFICATION	DOC NO. PS3263A2
	TRIAXIAL ACCELEROMETER, IEPE	REV D, ECN 10841, 03/07/14

ACTUAL SIZE

- **TRIAXIAL ACCELEROMETER**
- **HIGH SENSITIVITY**
- **MINATURE SIZE**

		ENGLISH		SI	
PHYSICAL					
Weight, Max.		0.2	oz	5.6	grams
Mounting, Integral Thread		4-40 UNC-2B		4-40 UNC-2B	
Connector [1]	Type	4 PIN		4 PIN	
Material Body	Material	Titanium		Titanium	
Sensing Element	Material	Ceramic		Ceramic	
	Mode	Shear		Shear	
PERFORMANCE					
Sensitivity +/- 10% [2]		100	mV/g	10.2	mV/ m/s^2
Range F.S. For ± 5 Volts Output		± 50	g	± 490	m/s^2
Frequency Response, - 10% to + 15%		0.3 to 10000	Hz	0.3 to 10000	Hz
Resonant Frequency		>40	KHz	>40	KHz
Phase Response, ± 5°		2 to 3000	Hz	2 to 3000	Hz
Linearity, Max [3]		± 1%	%F.S	± 1%	%F.S
Transverse Sensitivity, Max.		6%		6%	
Equivalent Electrical Noise Floor		0.0006	g rms	0.006	m/s^2 rms
Spectral Noise	1Hz	100	µGrms/√(Hz)	981	µm/s^2 rms/√(Hz)
	10Hz	50	µGrms/√(Hz)	491	µm/s^2 rms/√(Hz)
	100Hz	10	µGrms/√(Hz)	98	µm/s^2 rms/√(Hz)
	1000Hz	10	µGrms/√(Hz)	98	µm/s^2 rms/√(Hz)
	10000Hz	5	µGrms/√(Hz)	49	µm/s^2 rms/√(Hz)
ENVIRONMENTAL					
Maximum Vibration		600	±gpk	5886	± m/s^2 pk
Maximum Shock		5000	±gpk	49050	± m/s^2 pk
Temperature Range		-60 to +180	°F	-51 to 82	°C
Seal		Hermetic		Hermetic	
ELECTRICAL					
Supply Current [4]		2 to 20	mA	2 to 20	mA
Compliance Voltage Range		+18 to +30	V	+18 to +30	V
Output Impedance TYP		150	Ω	150	Ω
Bias Voltage		+11 to +13	VDC	+11 to +13	VDC
Discharge Time Constant		1.0 to 2.0	sec	1.0 to 2.0	sec

This family also includes:

Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC
3263A1	10	500	0.0008	-60 to +250	1.0 to 2.0
3263A3	50	100	0.0008	-60 to +180	1.0 to 2.0

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

SUPPLIED ACCESSORIES

a) Model 6721 mounted stud 4-40 to 4-40.

Notes:

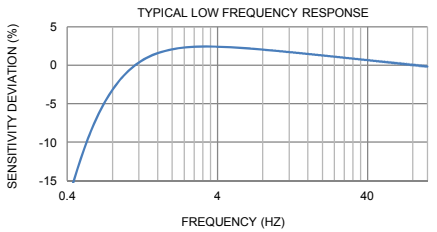
[1] Connector mates with Dytran cable assembly Model 6811AXX (XX= length in feet)

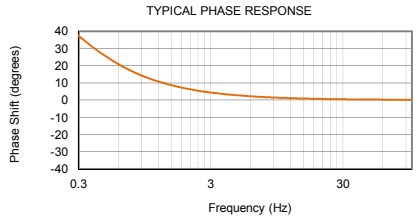
[2] Measured at 100 Hz, 1 grms per ISA RP 37.2.

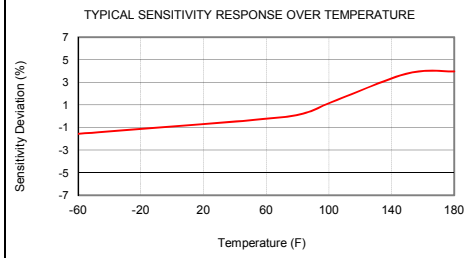
[3] Measured using zero-based best straight-line method, % of F.S. or any lesser range.

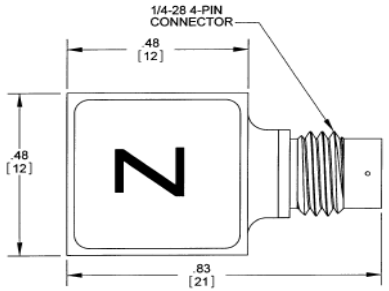
[4] Do not apply power to this device without current limiting, 20 mA MAX.
To do so will destroy the integral IC amplifier.

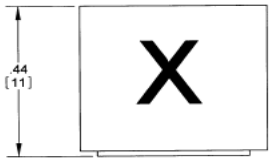
[5] In the interest of constant product improvement, we reserve the right to change specifications without notice.

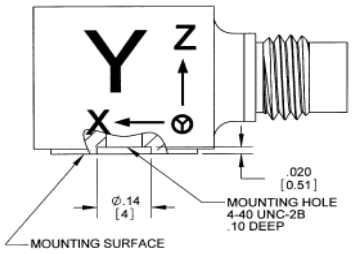












Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3263A3 for more information.

21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880 www.dytran.com