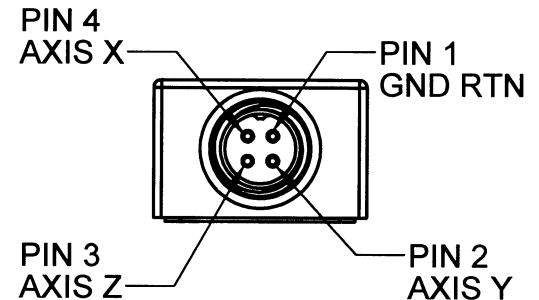
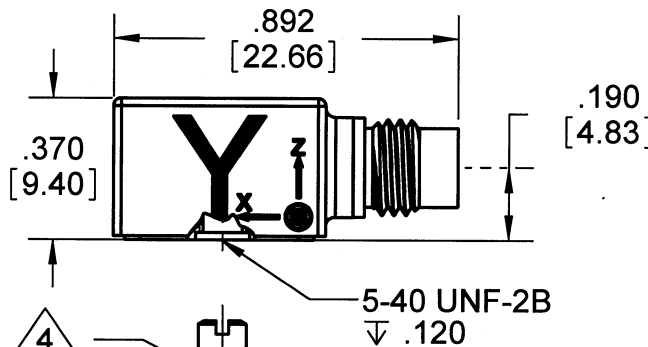
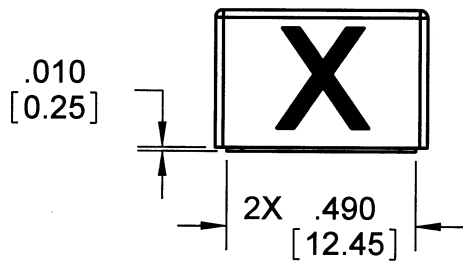
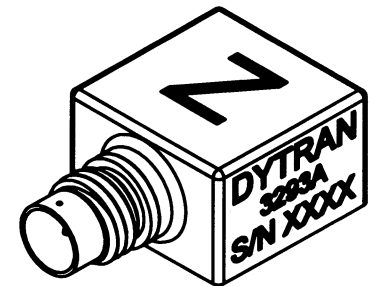
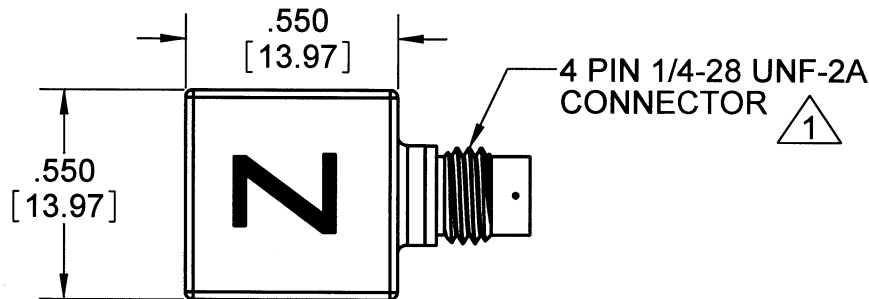


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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	5980	INITIAL RELEASE	DV 05/11/09	<i>cy</i>	ANS



5. HOUSING/CONNECTOR MATERIAL: TITANIUM

4. MODEL 6580 MOUNTING STUD (SUPPLIED)

3. ARROWS INDICATE ACCELERATION DIRECTION FOR POSITIVE OUTPUT

2. WEIGHT 8.8 GRAMS APPROXIMATELY

1. MATES WITH DYTRAN 6811AXX OR 6824AXX CABLE

MOUNTING RECOMMENDATIONS
PREPARE SURFACE .490 BY .490 MIN, FLAT TO .0001TIR, TAP 5-40 UNF-2B .120 MIN. RECOMMENDED MOUNTING TORQUE 6 - 8 LB IN.

**MASTER
ONLY IF IN RED**

CONTRACT NO.



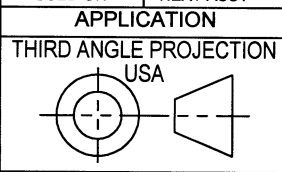
Chatsworth, CA

TITLE: **OUTLINE/INSTALLATION
DRAWING, MODEL 3293A**

USED ON	NEXT ASSY

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. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS
TOLERANCES ARE:
INCHES METRIC ANGLES
.XX ± .03 .X ± 0.8 ± 1°
.XXX ± .010 .XX ± 0.25



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.

MATERIAL
FINISH
DO NOT SCALE DRAWING

APPROVALS		DATE
ORIG	DV	02/05/09
CHK	<i>cy</i>	05/12/09
APP	ANS	5/13/09
APP		

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3293A	A
SCALE: 2:1	SOLIDWORKS	SHEET 1 OF 1	

**MODEL
3293A**

PERFORMANCE SPECIFICATION

**DOC NO.
PS3293A**

Accelerometer, Triaxial, IEPE

REV A, ECN 5980, 05/11/09



Actual Size

- **HIGH SENSITIVITY**
- **LOW NOISE**
- **STUD MOUNTED**

ENGLISH		SI	
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		ENGLISH		SI	
PHYSICAL					
Weight		0.308	oz	8.8	grams
Connector [1]	Type	4-pin, 1/4-28		4-pin, 1/4-28	
	Material	Ti-6 AL-4V		Ti-6 AL-4V	
Housing	Material	Ti-6 AL-4V		Ti-6 AL-4V	
	Isolation	Case Grounded		Case Grounded	
Sensing Element	Material	Ceramic		Ceramic	
	Mode	Shear		Shear	
PERFORMANCE					
Sensitivity, ±10% [2]		500	mV/g	50.97	mV/m/s ²
Acceleration Range, ±		7	Gpeak	68.67	m/s ² peak
Frequency Range, ±10%		0.25 to 4000	Hz	0.25 to 4000	Hz
Resonance Frequency, Nom.		>15	kHz	>15	kHz
Linearity [3]		1	%F.S.	1	%F.S.
Transverse Sensitivity Max		6	%	6	%
Noise floor		0.0002	Grms	0.002	m/s ² rms
Spectral Noise	1Hz	30	µGrms/sqr(Hz)	294.3	µm/s ² rms/sqr(Hz)
	10Hz	7	µGrms/sqr(Hz)	68.67	µm/s ² rms/sqr(Hz)
	100Hz	9	µGrms/sqr(Hz)	88.29	µm/s ² rms/sqr(Hz)
	1000Hz	1	µGrms/sqr(Hz)	9.81	µm/s ² rms/sqr(Hz)
	10000Hz	1	µGrms/sqr(Hz)	9.81	µm/s ² rms/sqr(Hz)
ELECTRICAL					
Supply Current Range [4]		2 to 20	mA	2 to 20	mA
Compliance Voltage Range		+18 to +30	VDC	+18 to +30	VDC
Output Impedance, Typ.		100	Ω	100	Ω
Output Bias Voltage		11 to 13	VDC	11 to 13	VDC
Discharge Time Constant		1.0 to 1.5	sec	1.0 to 1.5	sec
ENVIRONMENTAL					
Shock Max		1000	Gpeak	9810	m/s ²
Vibration Max		50	Gpeak	491	m/s ²
Operating Temperature		-60 to +185	°F	-51 to +85	°C
Seal		Hermetic		Hermetic	
Magnetic Sensitivity at 100 Gauss		0.00009	g/Gauss	0.0008829	m/s ² /Gauss
Base Strain Sensitivity, Max		0.002	g/µε	0.01962	m/s ² /µε

This family also includes:

Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC(sec.)

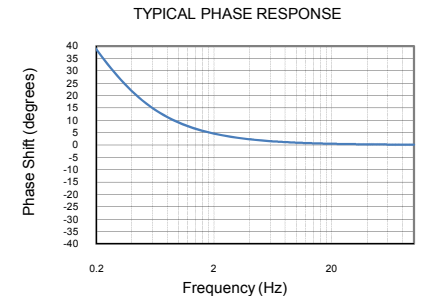
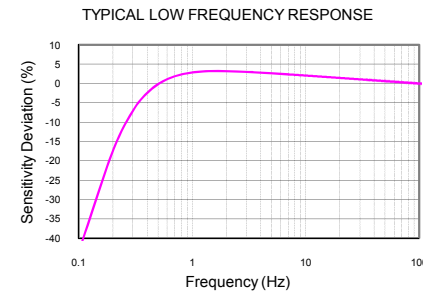
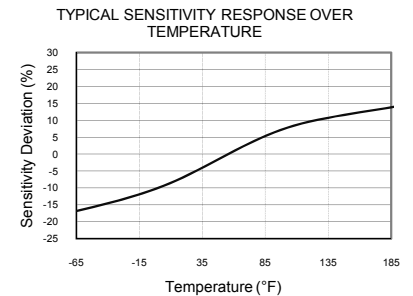
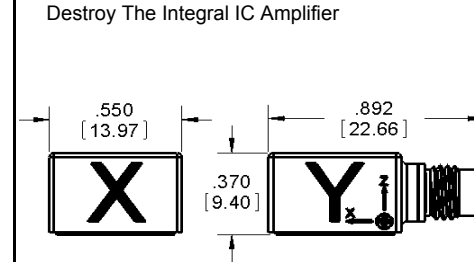
Please, refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Model 6580 Mounting Stud
- 2) Accredited Calibration Certificate (ISO 17025)

Notes:

- [1] Glass to Metal Seal connector. Mates with Dytran cable Model 6811AXX or 6824AXX (XX=length in feet)
- [2] Measured At 100 Hz, 1 Grms per ISA RP 37.2
- [3] Linearity
- [4] Do Not Apply Power To This Device Without Current Limiting, 20mA Max, To Do So Will Destroy The Integral IC Amplifier



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3293A for more information.



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880
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