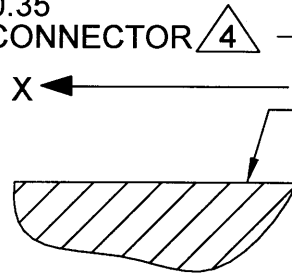
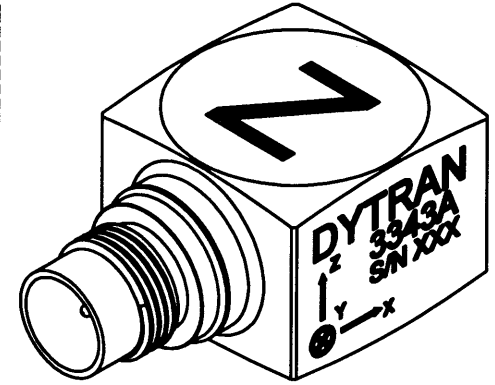
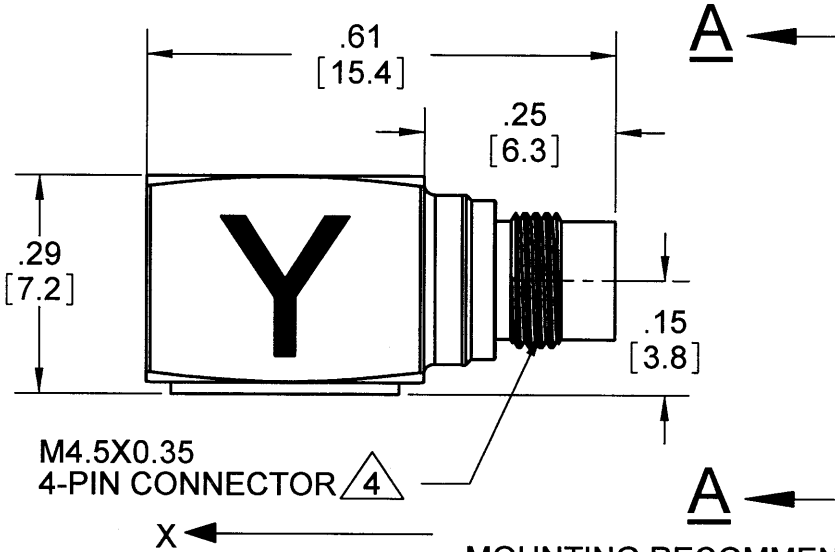
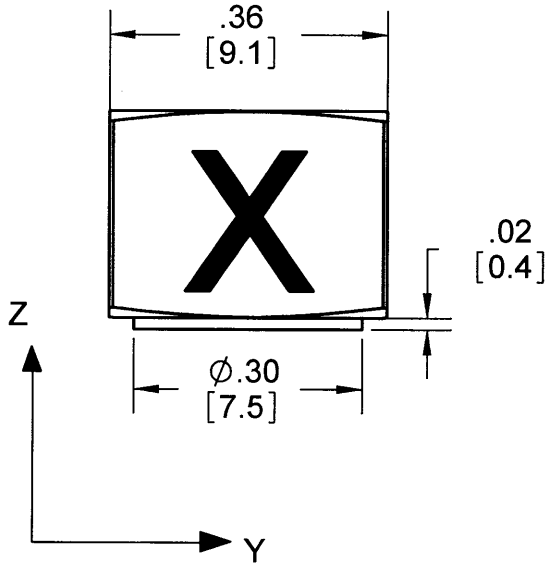


PROPRIETARY AND CONFIDENTIAL

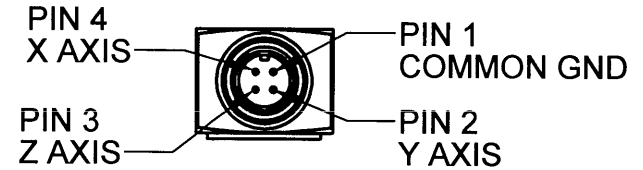
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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	6292	INITIAL RELEASE	DV 09/30/09	SP	SA



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.



**SECTION A-A
SCALE 2 : 1**

- 4. MATES WITH 6893AXX
- 3. HOUSING/CONNECTOR MATERIAL: TITANIUM
- 2. ARROWS INDICATE DIRECTIONS OF ACCELERATION FOR POSITIVE OUTPUT
- 1. WEIGHT: 2.4 GRAMS APPROX

NOTES: UNLESS OTHERWISE SPECIFIED

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	
3343A	NEXT ASSY	MATERIAL	
APPLICATION		FINISH	
THIRD ANGLE PROJECTION USA		DO NOT SCALE DRAWING	
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.		63/	

CONTRACT NO.		
APPROVALS		DATE
ORIG	DV	09/30/09
CHK	SP	9/30/09
APP	SA	10/2/09
APP	SA	10/2/09

DYTRAN INSTRUMENTS, INC. MASTER ONLY (EIN RED)

TITLE: OUTLINE/INSTALLATION DRAWING, MODEL 3343A

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3343A	A

SCALE: 4:1 SOLIDWORKS SHEET 1 OF 1

MODEL NUMBER 3343A	PERFORMANCE SPECIFICATION	DOC NO. PS3343A
	ACCELEROMETER, TRIAXIAL, IEPE	REV A, ECN6292, 09/30/09



Actual Size

- HIGH TEMPERATURE
- HERMETICALLY SEALED
- MINIATURE SIZE

PHYSICAL

Weight
Mounting
Connector [1]
Material, Housing / Connector

ENGLISH		SI	
0.084	oz	2.4	grams
Adhesive		Adhesive	
4-pin		4-pin	
Titanium		Titanium	

PERFORMANCE

Sensitivity, -10 + 15% [2]
Range F.S. (each axis)
Frequency Responce, -5 +/-15%
Element Natural Frequency
Equivalent Electrical Noise
Linearity [3]
Transverse Sensitivity Max
Signal Polarity

10	mV/g	1.02	mV/m/s^2
±500	g	4900.00	m/s^2
1.2 to 5000	Hz	1.2 to 5000	Hz
30	kHz	30	kHz
0.007	grms	0.0686	m/s^2 rms
1	%F.S.	1	%F.S.
6	%	6	%
[5]		[5]	

ELECTRICAL

Supply Current Range [4]
Compliance Voltage Range
Output Impedance, Typ.
Output Bias Voltage
Discharge Time Constant
Ground Isolation

2 to 20	mA	2 to 20	mA
+18 to +30	VDC	+18 to +30	VDC
100	Ω	100	Ω
7.5 to 9.5	VDC	7.5 to 9.5	VDC
0.3 to 0.5	sec	0.3 to 0.5	sec
Case Ground		Case Ground	

ENVIRONMENTAL

Maximun Shock
Maximum Vibration
Temperature Range
Environmental Seal

5000	g pk	49050	m/s^2
±600	g pk	±5880	m/s^2
-60 to +250	°F	-51 to +121	°C
Hermetic		Hermetic	

This family also includes:

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

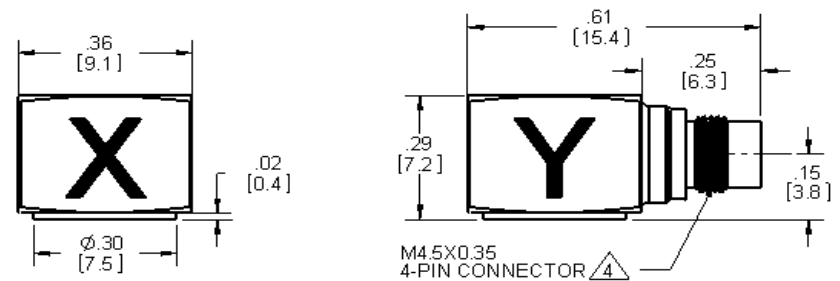
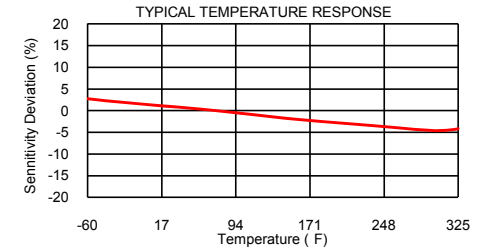
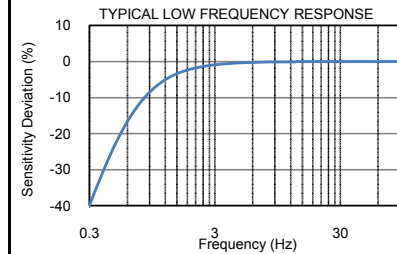
Please, refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited Calibration Certificate (ISO 17025)

Notes:

- [1] Connector mates with Dytran cable assy. Model 6893AXX. (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] Power only with Dytran IEPE power unit or other Dytran-compatible constant current type power unit. If power is applied without current limiting protection, the internal amplifier will be destroyed.
- [5] Positive for motion in direction of arrows on housing.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3343A for more information.



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