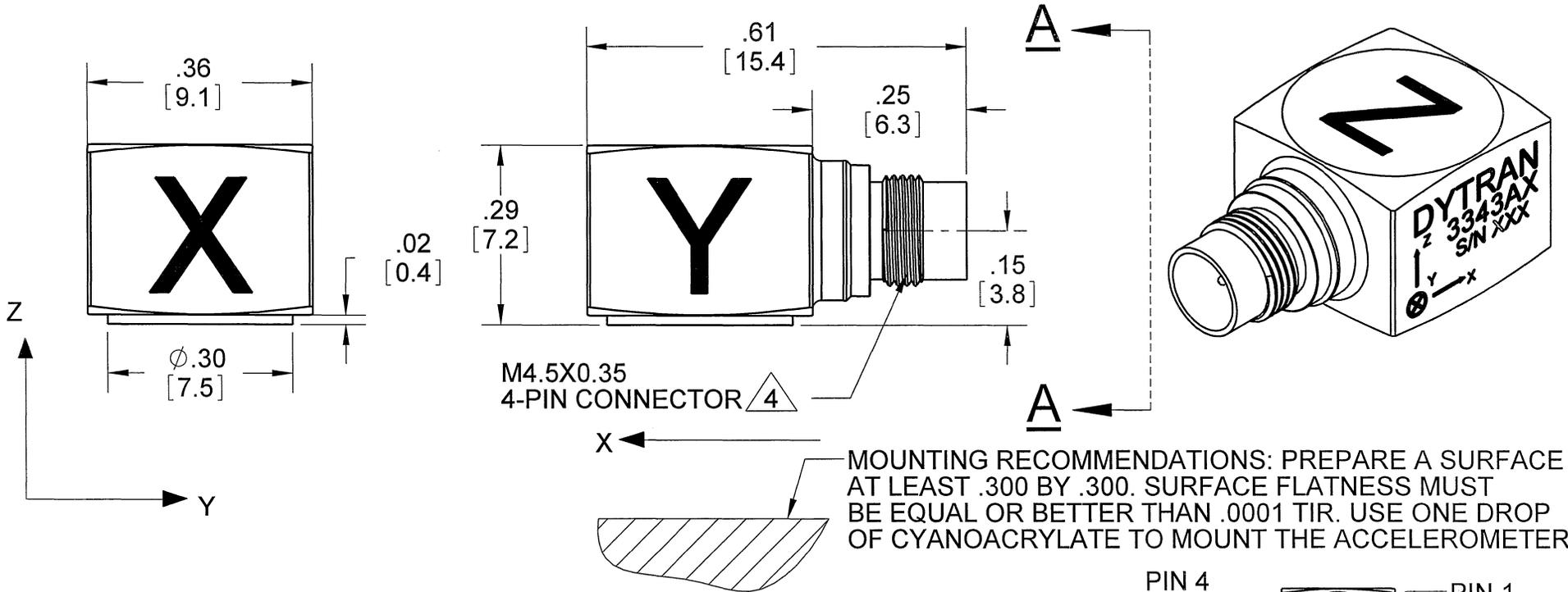


PROPRIETARY AND CONFIDENTIAL

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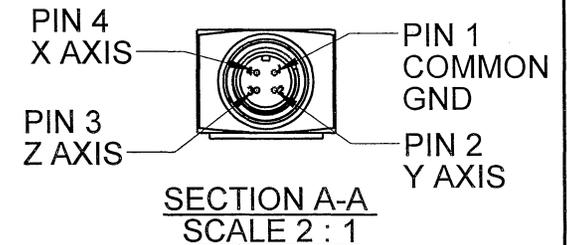
REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
B	7103	INITIAL RELEASE OF 3343A2, A3	RA 09/24/10	<i>[Signature]</i>	<i>[Signature]</i>



- 4 MATES WITH 6893AXX (XX=LENGTH IN FEET)
- HOUSING/CONNECTOR MATERIAL: TITANIUM
 - ARROWS INDICATE DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT
 - WEIGHT: 2.4 GRAMS APPROX.
- NOTES: UNLESS OTHERWISE SPECIFIED.

MODEL	SENSITIVITY
3343A	10mV/G
3343A2	2mV/G
3343A3	5mV/G



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.

APPROVALS

ORIG	RA	09/30/09
CHK	EP	10/0/09
APP	SA	10/02/09
APP		

DO NOT SCALE DRAWING

CONTRACT NO.

APPROVALS

ORIG	RA	09/30/09
CHK	EP	10/0/09
APP	SA	10/02/09
APP		

DYTRAN INSTRUMENTS, INC. Chatsworth, CA

MASTER ONLY IF IN RED

TITLE: **OUTLINE/INSTALLATION DRAWING, 3343AX**

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

SCALE: NONE SOLIDWORKS SHEET 1 OF 1

MODEL NUMBER 3343A	PERFORMANCE SPECIFICATION	DOC NO. PS3343A
	ACCELEROMETER, TRIAXIAL, IEPE	REV E, ECN 12277, 10/14/15



- 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 Response, ±5%
Element Natural Frequency
Equivalent Electrical Noise
Linearity [3]
Transverse Sensitivity Max
Signal Polarity

	ENGLISH		SI	
Sensitivity	10	mV/g	1.02	mV/m/s ²
Range F.S.	±500	g	± 4905	m/s ²
Frequency Response	1.2 to 5000	Hz	1.2 to 5000	Hz
Element Natural Frequency	30	kHz	30	kHz
Equivalent Electrical Noise	0.007	grms	0.069	m/s ² rms
Linearity	1	%F.S.	1	%F.S.
Transverse Sensitivity Max	6	%	6	%
Signal Polarity	[6]		[6]	

ELECTRICAL

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

	ENGLISH		SI	
Supply Current Range	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	7.0 to 9.0	VDC	7.0 to 9.0	VDC
Discharge Time Constant	0.3 to 1.0	sec	0.3 to 1.0	sec
Ground Isolation	Case Ground		Case Ground	

ENVIRONMENTAL

Maximum Shock
Maximum Vibration
Temperature Range
Environmental Seal

	ENGLISH		SI	
Maximum Shock	5000	g pk	49050	m/s ²
Maximum Vibration	600	g pk	5880	m/s ²
Temperature Range	-60 to +250	°F	-51 to +121	°C
Environmental Seal	Hermetic		Hermetic	

This family also includes:

Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (grms)	Oper. Temp(°F)	TC(sec.)
3343A2	2	2500	0.003	-60 to +250	0.3 to 1.0
3343A3	5	1000	0.0035	-60 to +250	0.3 to 1.0

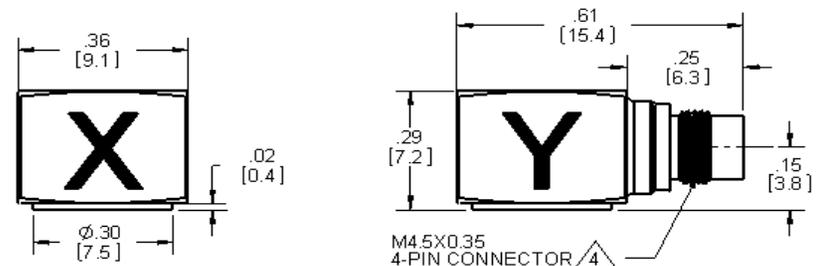
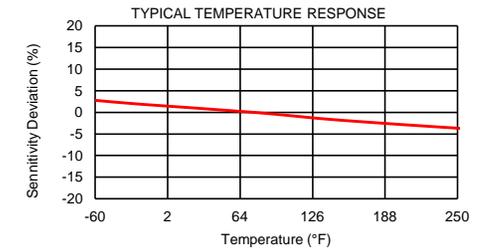
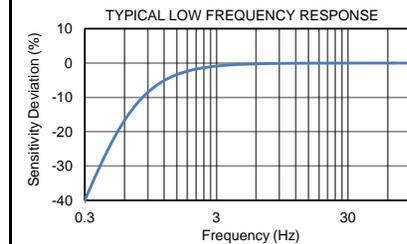
Please, refer to the performance specifications of the products in this family for detailed description

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] Do not apply power to this device without current limiting, 20mA 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.
- [6] 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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