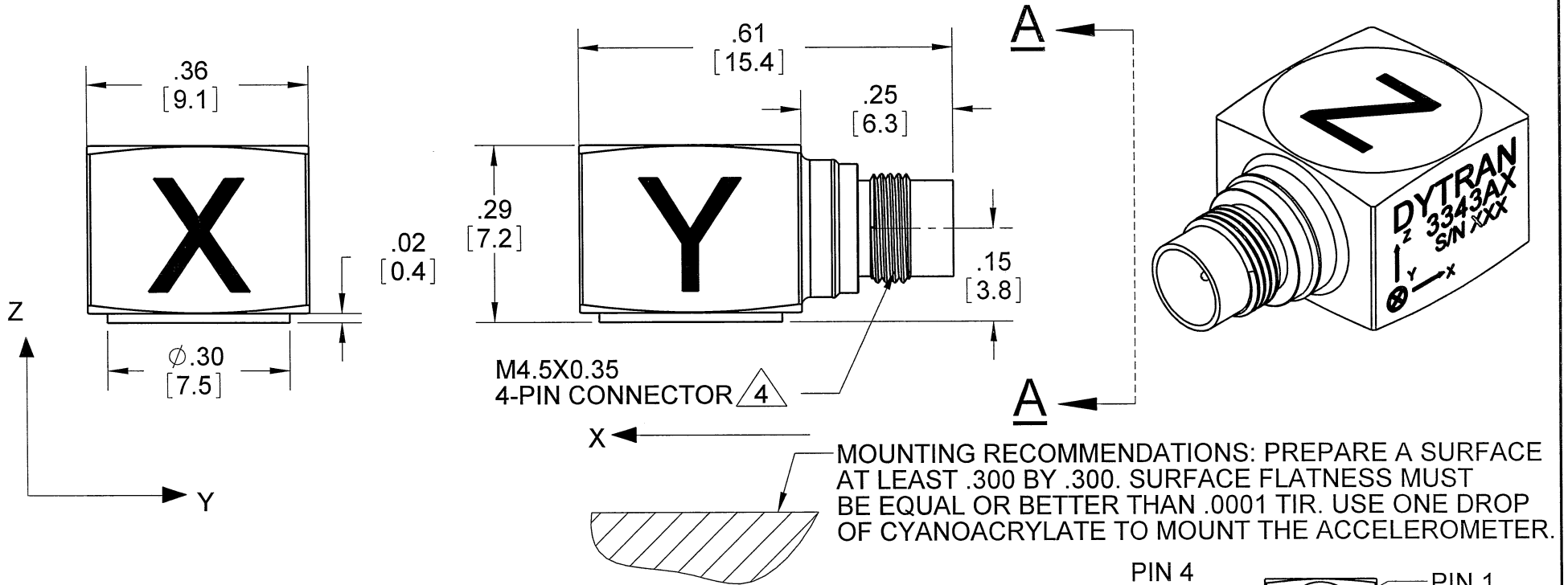


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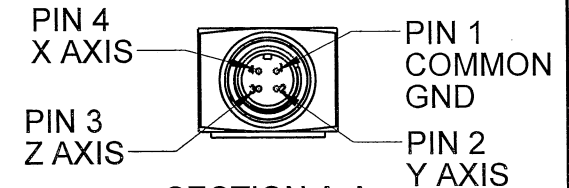
REVISIONS

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



SECTION A-A
SCALE 2 : 1

CONTRACT NO.



MASTER
ONLY IF IN RED


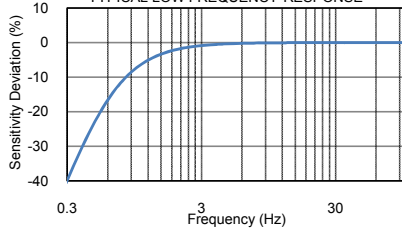
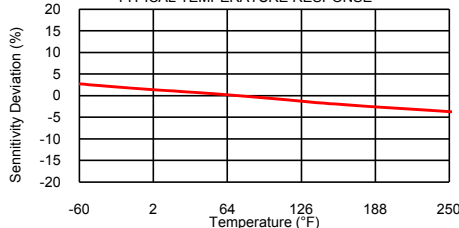
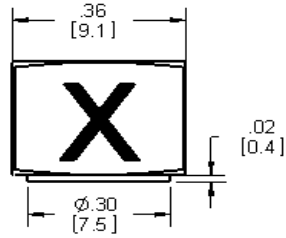
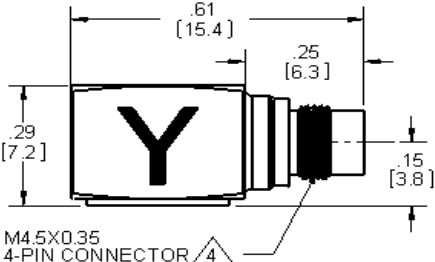
TITLE:


OUTLINE/INSTALLATION
DRAWING, 3343AX

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

SIZE	CAGE CODE	DWG. NO.	REV
A	2W033	127-3343A	B
SCALE: NONE	SOLIDWORKS	SHEET 1 OF 1	

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.	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.	

MODEL NUMBER		PERFORMANCE SPECIFICATION				DOC NO.																																																																																																															
3343A3						PS3343A3																																																																																																															
		ACCELEROMETER, TRIAXIAL, IEPE				REV A, ECN7103, 09/27/10																																																																																																															
		<div><div>• HERMETICALLY SEALED</div><div>• MINIATURE SIZE</div></div>																																																																																																																			
		<div><div><table><tr><th colspan="2">ENGLISH</th><th colspan="2">SI</th></tr><tr><td>Weight</td><td>0.084</td><td>oz</td><td>2.4</td></tr><tr><td>Mounting</td><td>Adhesive</td><td></td><td>Adhesive</td></tr><tr><td>Connector [1]</td><td>4-pin</td><td></td><td>4-pin</td></tr><tr><td>Material, Housing / Connector</td><td>Titanium</td><td></td><td>Titanium</td></tr></table></div><div><table><tr><td>Sensitivity, -10 + 15% [2]</td><td>5</td><td>mV/g</td><td>0.51</td><td>mV/m/s^2</td></tr><tr><td>Range F.S. (each axis)</td><td>±1000</td><td>g</td><td>±9810</td><td>m/s^2</td></tr><tr><td>Frequency Responce, -5 /+15%</td><td>1.2 to 5000</td><td>Hz</td><td>1.2 to 5000</td><td>Hz</td></tr><tr><td>Element Natural Frequency</td><td>30</td><td>kHz</td><td>30</td><td>kHz</td></tr><tr><td>Equivalent Electrical Noise</td><td>0.0035</td><td>grms</td><td>0.034</td><td>m/s^2 rms</td></tr><tr><td>Linearity [3]</td><td>1</td><td>%F.S.</td><td>1</td><td>%F.S.</td></tr><tr><td>Transverse Sensitivity Max</td><td>6</td><td>%</td><td>6</td><td>%</td></tr><tr><td>Signal Polarity</td><td>[6]</td><td></td><td>[6]</td><td></td></tr></table></div><div><table><tr><td>Supply Current Range [4]</td><td>2 to 20</td><td>mA</td><td>2 to 20</td><td>mA</td></tr><tr><td>Compliance Voltage Range</td><td>+18 to +30</td><td>VDC</td><td>+18 to +30</td><td>VDC</td></tr><tr><td>Output Impedance, Typ.</td><td>100</td><td>Ω</td><td>100</td><td>Ω</td></tr><tr><td>Output Bias Voltage</td><td>7.5 to 9.5</td><td>VDC</td><td>7.5 to 9.5</td><td>VDC</td></tr><tr><td>Discharge Time Constant</td><td>0.3 to 0.5</td><td>sec</td><td>0.3 to 0.5</td><td>sec</td></tr><tr><td>Ground Isolation</td><td>Case Ground</td><td></td><td>Case Ground</td><td></td></tr></table></div><div><table><tr><td>Maximun Shock</td><td>5000</td><td>g pk</td><td>49050</td><td>m/s^2</td></tr><tr><td>Maximum Vibration</td><td>600</td><td>g pk</td><td>5880</td><td>m/s^2</td></tr><tr><td>Temperature Range</td><td>-60 to +250</td><td>°F</td><td>-51 to +121</td><td>°C</td></tr><tr><td>Environmental Seal</td><td>Hermetic</td><td></td><td>Hermetic</td><td></td></tr></table></div></div>						ENGLISH		SI		Weight	0.084	oz	2.4	Mounting	Adhesive		Adhesive	Connector [1]	4-pin		4-pin	Material, Housing / Connector	Titanium		Titanium	Sensitivity, -10 + 15% [2]	5	mV/g	0.51	mV/m/s^2	Range F.S. (each axis)	±1000	g	±9810	m/s^2	Frequency Responce, -5 /+15%	1.2 to 5000	Hz	1.2 to 5000	Hz	Element Natural Frequency	30	kHz	30	kHz	Equivalent Electrical Noise	0.0035	grms	0.034	m/s^2 rms	Linearity [3]	1	%F.S.	1	%F.S.	Transverse Sensitivity Max	6	%	6	%	Signal Polarity	[6]		[6]		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	7.5 to 9.5	VDC	7.5 to 9.5	VDC	Discharge Time Constant	0.3 to 0.5	sec	0.3 to 0.5	sec	Ground Isolation	Case Ground		Case Ground		Maximun 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	
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		<div><div><div>This family also includes:</div><table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Range (Gpeak)</th><th>Resolution (grms)</th><th>Oper. Temp(°F)</th><th>TC(sec.)</th></tr><tr><td>3343A</td><td>10</td><td>500</td><td>0.007</td><td>-60 to +250</td><td>0.3 to 0.5</td></tr><tr><td>3343A2</td><td>2</td><td>2500</td><td>0.0014</td><td>-60 to +250</td><td>0.3 to 0.5</td></tr></table></div><div>Please, refer to the performance specifications of the products in this family for detailed description</div><div><div>Supplied Accessories:</div><div>1) Accredited Calibration Certificate (ISO 17025)</div></div><div><div>Notes:</div><div>[1] Connector mates with Dytran cable assy. Model 6893AXX. (xx = length in feet)</div><div>[2] Measured At 100 Hz, 1 Grms per ISA RP 37.2</div><div>[3] Measured using zero-based best straight-line method, % of F.S. or any lesser range.</div><div>[4] Do not apply power to this device without current limiting, 20mA Max, to do so will destroy the integral IC amplifier</div><div>[5] In the interest of constant product improvement, we reserve the right to change specifications without notice.</div><div>[6] Positive for motion in direction of arrows on housing.</div></div></div>						Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (grms)	Oper. Temp(°F)	TC(sec.)	3343A	10	500	0.007	-60 to +250	0.3 to 0.5	3343A2	2	2500	0.0014	-60 to +250	0.3 to 0.5																																																																																												
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