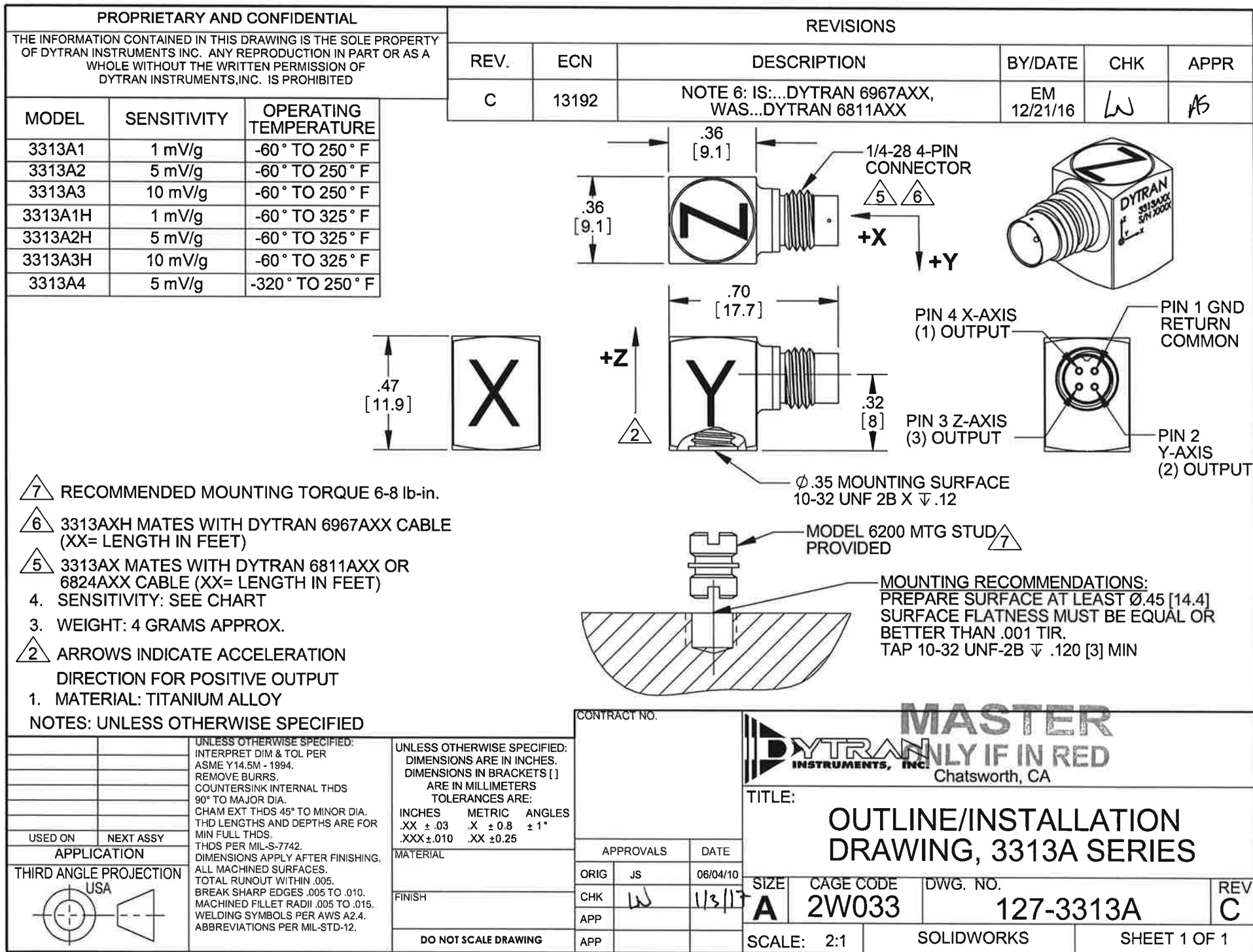
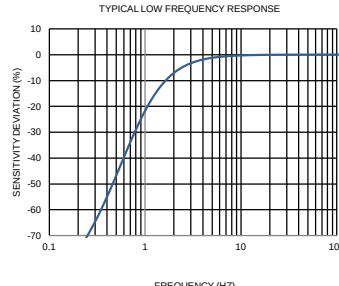
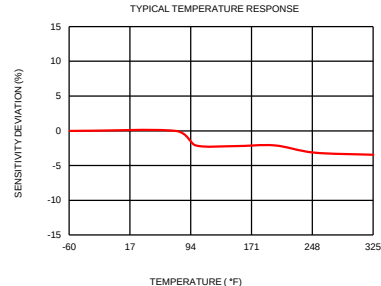
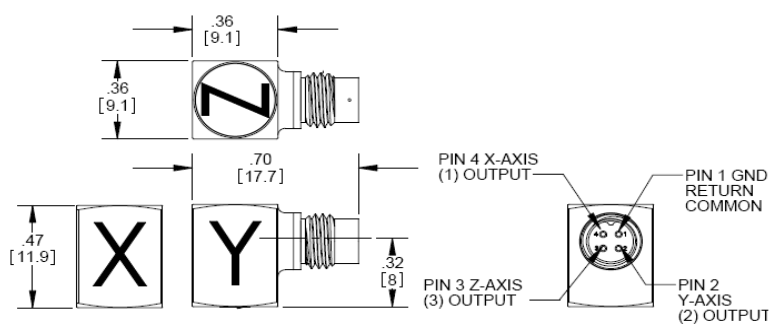




Model Number 3313A1H	PERFORMANCE SPECIFICATION				DOC NO PS3313A1H																																
	TRIAxIAL IEPE ACCELEROMETER				REV E , ECN 13192, 12/21/16																																
	• WEIGHT ONLY 4 GRAMS • EXCELLENT LINEARITY • HIGH TEMPERATURE • HERMETICALLY SEALED				This family also includes: <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Range F.S (g)</th><th>Time Constant (sec)</th><th>Operating Temperature (°F)</th></tr><tr><td>3313A2H</td><td>5</td><td>± 1000</td><td>0.2 to 1.0</td><td>-60 to +325</td></tr><tr><td>3313A3H</td><td>10</td><td>± 500</td><td>0.2 to 1.0</td><td>-60 to +325</td></tr></table>	Model	Sensitivity (mV/g)	Range F.S (g)	Time Constant (sec)	Operating Temperature (°F)	3313A2H	5	± 1000	0.2 to 1.0	-60 to +325	3313A3H	10	± 500	0.2 to 1.0	-60 to +325																	
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Please, refer to the performance specifications of the products in this family for detailed description																																					
Supplied Accessories: 1) Accredited calibration certificate (ISO 17025) 2) Model 6200 mounting stud																																					
Notes: [1] Measure at 100Hz, 1 grms per ISA RP 37.2 [2] Measure using zero-based straight line method, % of F.S. or any lesser range. [3] For motion in direction of arrows on housing. [4] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier. [5] In the interest of constant product improvement, we reserve the right to change specifications without notice. [6] Mates with Dytran 6967AXX (XX = Length in feet)																																					
PHYSICAL Weight, Max Connector Mounting Provision Material : Housing / Connector Element Style	Tapped Hole	<table><tr><th>ENGLISH</th><th></th><th>SI</th></tr><tr><td>0.14</td><td>oz</td><td>4.1</td></tr><tr><td>1/4-28, 4 - Pin</td><td></td><td>1/4-28, 4 - Pin</td></tr><tr><td>10-32</td><td></td><td>10-32</td></tr><tr><td>Titanium</td><td></td><td>Titanium</td></tr><tr><td>Quartz Planar Shear</td><td></td><td>Quartz Planar Shear</td></tr></table>	ENGLISH		SI	0.14	oz	4.1	1/4-28, 4 - Pin		1/4-28, 4 - Pin	10-32		10-32	Titanium		Titanium	Quartz Planar Shear		Quartz Planar Shear	grams																
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PERFORMANCE Sensitivity, ±10% [1] Range F.S (each axis) Frequency Response, ± 15% Equivalent Natural Frequency Equivalent Electrical Noise, Max Linearity [2] Maximum Transverse sensitivity Signal Polarity [3]		<table><tr><td>1</td><td>mV/g</td><td>0.10</td><td>mV/m/s²</td></tr><tr><td>±5000</td><td>g</td><td>±49050</td><td>m/s²</td></tr><tr><td>1.2 to 10000</td><td>Hz</td><td>1.2 to 10000</td><td>Hz</td></tr><tr><td>> 30</td><td>kHz</td><td>> 30</td><td>kHz</td></tr><tr><td>0.07</td><td>grms</td><td>0.69</td><td>m/s² rms</td></tr><tr><td>± 1</td><td>% F.S.</td><td>± 1</td><td>% F.S.</td></tr><tr><td>5</td><td>%</td><td>5</td><td>%</td></tr><tr><td>Positive</td><td></td><td>Positive</td><td></td></tr></table>	1	mV/g	0.10	mV/m/s ²	±5000	g	±49050	m/s ²	1.2 to 10000	Hz	1.2 to 10000	Hz	> 30	kHz	> 30	kHz	0.07	grms	0.69	m/s ² rms	± 1	% F.S.	± 1	% F.S.	5	%	5	%	Positive		Positive				
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5	%	5	%																																		
Positive		Positive																																			
ENVIRONMENTAL Maximum Vibration Maximum Shock Temperature Range Seal Base Strain		<table><tr><td>± 7000</td><td>g's, peak</td><td>± 68670</td><td>m/s², peak</td></tr><tr><td>±5000</td><td>g's, peak</td><td>± 49050</td><td>m/s², peak</td></tr><tr><td>-60 to +325</td><td>°F</td><td>-51 to +162</td><td>°C</td></tr><tr><td>Hermetic</td><td></td><td>Hermetic</td><td></td></tr><tr><td>0.006</td><td>g/μe</td><td>0.06</td><td>m/s²/μe</td></tr></table>	± 7000	g's, peak	± 68670	m/s ² , peak	±5000	g's, peak	± 49050	m/s ² , peak	-60 to +325	°F	-51 to +162	°C	Hermetic		Hermetic		0.006	g/μe	0.06	m/s ² /μe															
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Electrical Supply Current Range Compliance (Supply) Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant Ground Isolation		<table><tr><td>2 to 20</td><td>mA</td><td>2 to 20</td><td>mA</td></tr><tr><td>+ 18 to +30</td><td>Volts</td><td>+ 18 to +30</td><td>Volts</td></tr><tr><td>100</td><td>Ω</td><td>100</td><td>Ω</td></tr><tr><td>+7 to +9</td><td>VDC</td><td>+7 to +9</td><td>VDC</td></tr><tr><td>0.2 to 1.0</td><td>Sec</td><td>0.2 to 1.0</td><td>Sec</td></tr><tr><td>Case Ground</td><td></td><td>Case Ground</td><td></td></tr></table>	2 to 20	mA	2 to 20	mA	+ 18 to +30	Volts	+ 18 to +30	Volts	100	Ω	100	Ω	+7 to +9	VDC	+7 to +9	VDC	0.2 to 1.0	Sec	0.2 to 1.0	Sec	Case Ground		Case Ground												
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Typical Low Frequency Response  Typical Temperature Response   Units on the line drawing are in inches. Refer to 127-3313AH for more information.																																					
 21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.700.7880 www.dytran.com For permission to reprint this content, please contact info@dytran.com																																					