


Model Number 3313A3H	PERFORMANCE SPECIFICATION			DOC NO PS3313A3H
		TRIAxIAL IEPE ACCELEROMETER		REV D, ECN 13192, 12/21/16
	<ul style="list-style-type: none"> • WEIGHT ONLY 4 GRAMS • EXCELLENT LINEARITY • TEMPERATURE STABILITY • HERMETICALLY SEALED 			
	<p>PHYSICAL</p> <p>Weight Connector Mounting Provision Material : Housing / Connector Element Style</p> <p>Tapped Hole</p> <p>PERFORMANCE</p> <p>Sensitivity, $\pm 10\%$ [1] Range F.S (each axis) Frequency Response, $\pm 15\%$ Equivalent Natural Frequency Equivalent Electrical Noise Linearity [2] Maximum Transverse sensitivity Signal Polarity [3]</p> <p>ENVIRONMENTAL</p> <p>Maximum Vibration Maximum Shock Temperature Range Seal Base Strain</p> <p>Electrical</p> <p>Supply Current Range Compliance (Supply) Voltage Range Output Impedance, Typ Bias Voltage Discharge Time Constant, Nom Ground Isolation</p>			
	ENGLISH		SI	
	0.14	oz	4	grams
	1/4-28, 4 - Pin		1/4-28, 4 - Pin	
	10-32		10-32	
	Titanium		Titanium	
	Quartz Planar Shear		Quartz Planar Shear	
	10	mV/g	1.02	mV/m/s ²
	± 500	g	± 4905	m/s ²
	1.2 to 10000	Hz	1.2 to 10000	Hz
	> 30	kHz	> 30	kHz
	0.007	grms	0.07	m/s ² rms
	± 1	% F.S.	± 1	% F.S.
	5	%	5	%
	Positive		Positive	
	± 600	g's, peak	± 5886	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
	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	

This family also includes:

Model	Sensitivity (mV/g)	Range F.S (g)	Time Constant (sec)	Operating Temperature (°F)
3313A1H	1	± 5000	0.2 to 1.0	-60 to +325
3313A2H	5	± 1000	0.2 to 1.0	-60 to +325

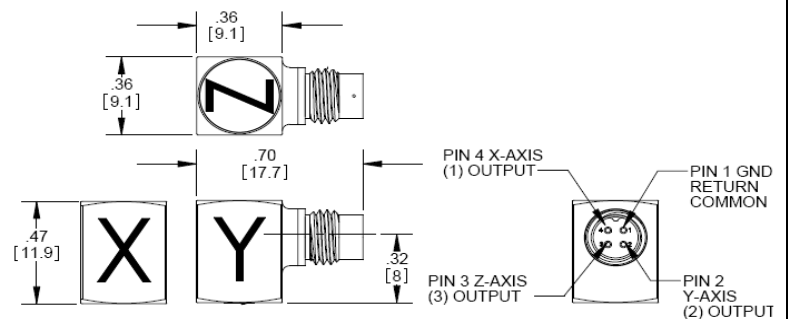
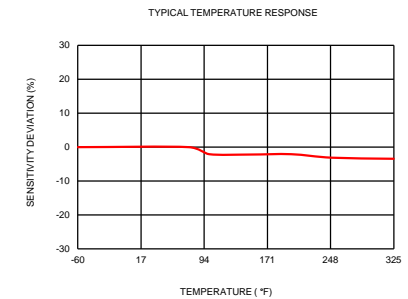
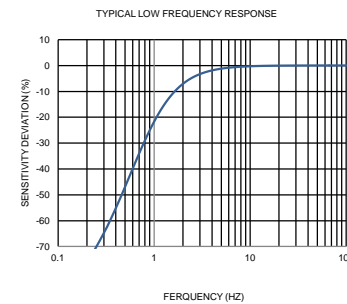
Please, refer to the performance specifications of the products in this family for detailed description

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)



Units on the line drawing are in inches. Refer to 127-3313AH for more information.



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