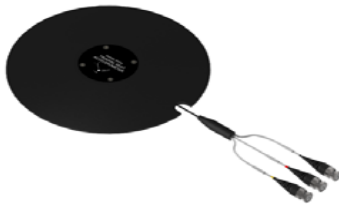
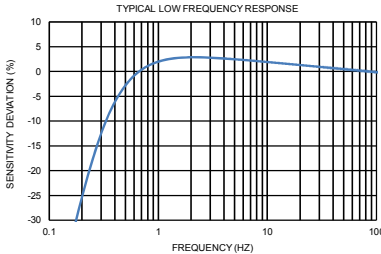
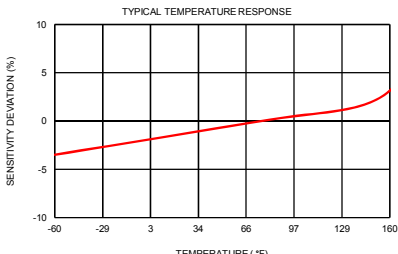
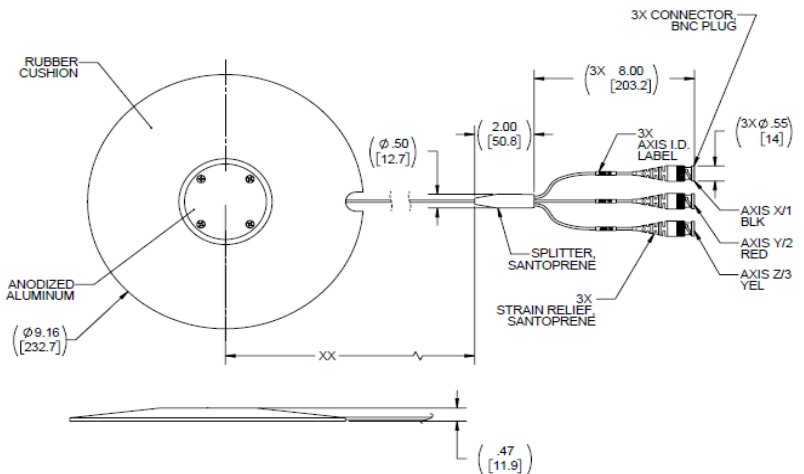


Model Number 5313A-XX	PERFORMANCE SPECIFICATIONS				DOC NO PS5313A-XX
		IEPE TRIAXIAL SEAT ACCELEROMETER		REV B, ECN 14391, 08/02/18	
		• HERMETICALLY SEALED • EXCELLENT LINEARITY			
		ENGLISH		SI	
PHYSICAL					
Weight, Max.	0.5	lb.	227	grams	
Size (Dia. X Thickness)	9.16 x .47	in.	232 x 12	mm	
Material, Pad	Rubber		Rubber		
Material, Central Housing Plates (Upper and Lower)	Anodized Aluminum		Anodized Aluminum		
Cable Termination	3 BNC Connectors		3 BNC Connectors		
PERFORMANCE					
Sensitivity, ±5% [1]	100	mV/G	10	mV/m/s ²	
Range F.S. for ± 5 Volts Output	±50	G peak	±491	m/s ² peak	
Frequency Response, ±5%	0.45 to 3000	Hz	0.45 to 3000	Hz	
Resonant Frequency	> 25	kHz	> 25	kHz	
Equivalent Electrical Noise Floor	0.0007	G rms	0.007	m/s ² rms	
Linearity [2]	± 1	% F.S.	± 1	% F.S.	
Transverse Sensitivity, Max.	5	%	5	%	
Strain Sensitivity @ 250µε	0.012	G/µε	0.12	m/s ² /µε	
ENVIRONMENTAL					
Maximum Vibration	±400	G peak	±3924	m/s ² peak	
Maximum Shock	±1500	G peak	±14715	m/s ² peak	
Operating Temperature Range	-60 to +160	°F	-51 to +71	°C	
Survival Temperature Range	-100 to +275	°F	-73 to +135	°C	
Seal, Accelerometer	Hermetic		Hermetic		
ELECTRICAL					
Supply Current Range [3]	2 to 20	mA	2 to 20	mA	
Compliance Voltage Range	+18 to +30	Volts	+18 to +30	Volts	
Output Impedence, Typ.	100	Ω	100	Ω	
Bias Voltage	+11 to +13	VDC	+11 to +13	VDC	
Discharge Time Constant	0.8 to 2.0	Sec	0.8 to 2.0	Sec	
Electrical Isolation, Case Ground to Mounting Surface	10	MΩ, min.	10	MΩ, min.	
Polarity in Direction of Arrows	Positive		Positive		
This family also includes:					
Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)	
Refer to the performance specifications of the products in this family for detailed description					
Supplied Accessories:					
1) Accredited calibration certificate (ISO 17025)					
Notes:					
[1] Measured at 100Hz, 1 Grms per ISA RP 37.2.					
[2] Measured using zero-based straight line method, % of F.S. or any lesser range.					
[3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the amplifier.					
[4] This product conforms to ISO 8041.					
					
					
					
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-5313A-XX for more information.					
					
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