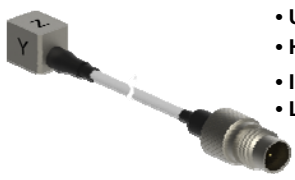
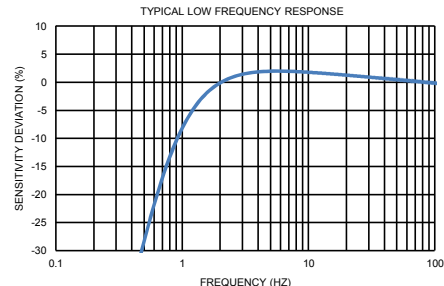
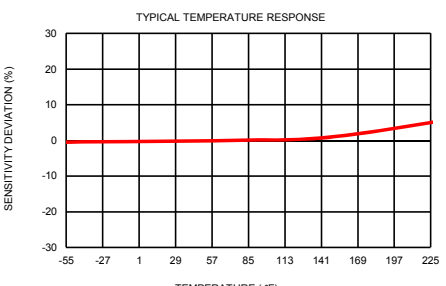
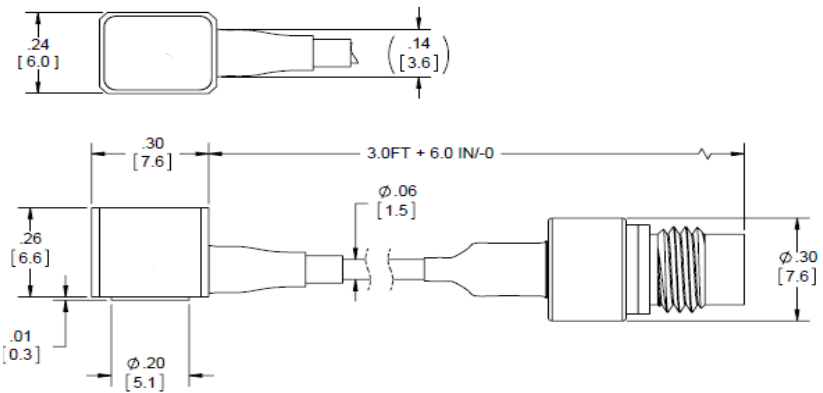


Model Number 3493A2		PERFORMANCE SPECIFICATIONS				DOC NO PS3493A2																			
		Accelerometer, Triaxial, IEPE			REV A, ECN 10236, 11/23/15																				
		• ULTRA MINIATURE SIZE • HIGH SENSITIVITY • IDEAL LOW FREQUENCY RESPONSE • LOW NOISE																							
		ENGLISH		SI																					
PHYSICAL																									
Weight, Max. (Less Cable)		0.03	oz	0.9	grams																				
Mounting		Adhesive		Adhesive																					
Integral Cable Length		3	ft	914.4	mm																				
Type		TFE		TFE																					
Connector Type		4-pin		4-pin																					
Housing Material		Titanium		Titanium																					
Isolation		Case Ground		Case Ground																					
Sensing Element Material		Ceramic		Ceramic																					
Mode		Shear		Shear																					
PERFORMANCE																									
Sensitivity [1], ±15%		10	mV/g	1.0	mV/m/s ²																				
Acceleration Range		500	Gpeak	4905	m/s ² peak																				
Frequency Range ±5%		1 to 5,000	Hz	1 to 5,000	Hz																				
±10%		1 to 10,000	Hz	1 to 10,000	Hz																				
Resonance Frequency		>30	kHz	>35	kHz																				
Linearity [2]		±1	%	±1	%																				
Transverse Sensitivity		<6	%	<6	%																				
Bias Voltage		+11 to +13	VDC	+11 to +13	VDC																				
Output Impedance		100	Ω	100	Ω																				
Discharge Time Constant		0.2 to 1.0	seconds	0.2 to 1.0	seconds																				
Noise floor		0.005	Grms	0.05	m/s ² rms																				
Spectral Noise 1Hz		1000	μGrms/sqr(Hz)	9810	μm/s ² rms/sqr(Hz)																				
10Hz		500	μGrms/sqr(Hz)	4905	μm/s ² rms/sqr(Hz)																				
100Hz		125	μGrms/sqr(Hz)	1226	μm/s ² rms/sqr(Hz)																				
1000Hz		60	μGrms/sqr(Hz)	589	μm/s ² rms/sqr(Hz)																				
10000Hz		25	μGrms/sqr(Hz)	245	μm/s ² rms/sqr(Hz)																				
ENVIRONMENTAL																									
Shock		3,000	Gpeak	29430	m/s ²																				
Vibration		900	Gpeak	8829	m/s ²																				
Operating Temperature		-55 to +225	°F	-48 to 107	°C																				
Seal		Epoxy		Epoxy																					
Magnetic Sensitivity at 100 Gauss		0.00004	g/Gauss	0.00039	m/s ² /Gauss																				
Base Strain		0.15	g/με	1.47	m/s ² /με																				
POWER																									
Compliance Voltage		+18 to +30	VDC	+18 to +30	VDC																				
Current Range [3]		2 to 20	mA	2 to 20	mA																				
		This family also includes: <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Range (Gpeak)</th><th>Time Constant (Sec)</th><th>Operating Temp (°F)</th></tr><tr><td>3493A1</td><td>5</td><td>1,000</td><td>0.2 to 1.0</td><td>-55 to +225</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table> Refer to the performance specifications of the products in this family for detailed description Supplied Accessories: 1) Accredited calibration certificate (ISO 17025) 2) Model 6298 small petro wax 3) Model 6741 removal tool Notes: [1] Measured 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] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier. [4] In the interest of constant product improvement, we reserve the right to change specifications without notice. TYPICAL LOW FREQUENCY RESPONSE  TYPICAL TEMPERATURE RESPONSE   Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3493A for more information.				Model	Sensitivity (mV/g)	Range (Gpeak)	Time Constant (Sec)	Operating Temp (°F)	3493A1	5	1,000	0.2 to 1.0	-55 to +225										
Model	Sensitivity (mV/g)	Range (Gpeak)	Time Constant (Sec)	Operating Temp (°F)																					
3493A1	5	1,000	0.2 to 1.0	-55 to +225																					
		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																							