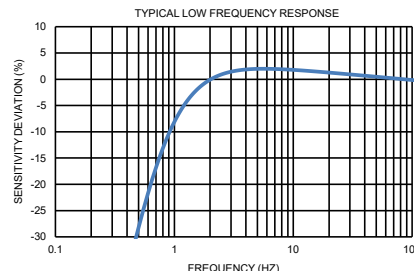
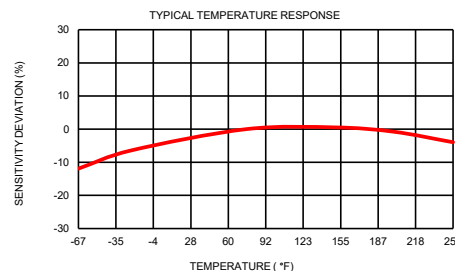
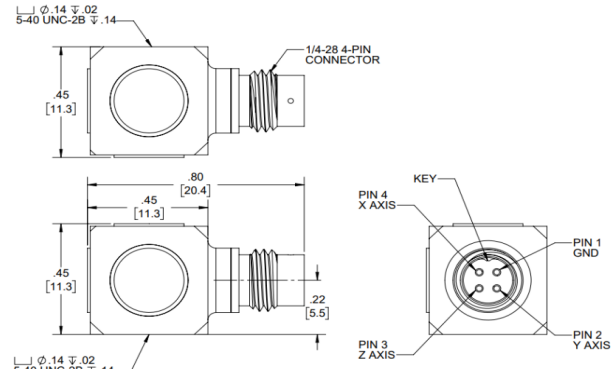


Model Number 3913A		PERFORMANCE SPECIFICATIONS				DOC NO PS3913A				
		Accelerometer, Triaxial, IEPE				REV A, ECN 18050, 12/09/25				
		• MINIATURE SIZE • HIGH SENSITIVITY • LOW NOISE				This family also includes:				
						Model	Sensitivity (mV/g)	Range (g pk)	Time Constant (Sec)	Operating Temp (°F)
Refer to the performance specifications of the products in this family for detailed description										
Supplied Accessories:										
1) Accredited calibration certificate (ISO 17025)										
2) Model 6580 Mounting Stud, Qty 1.										
3) Model 69171 washer, Qty 1.										
Notes:										
[1] All specifications are at room temperature unless otherwise specified.										
[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 IC charge amplifier.										
[4] Connector mates with Dytran's cable assembly model 6811AXX or 6824AXX. (XX = length in feet)										
[5] Utilize model 69171 for mounting on X-axis. Model 69172 calibration base available.										
[6] In the interest of constant product improvement, we reserve the right to change specifications without notice.										
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.										
PHYSICAL		ENGLISH		SI						
Weight, Max		0.22	oz	6.2	grams					
Mounting	Y, Z AXES X AXIS [5]	5-40 Tapped Hole		5-40 Tapped Hole						
		Adhesive		Adhesive						
Connector [4]		4-pin		4-pin						
Material, Housing / Connector		Titanium		Titanium						
Isolation		Case Ground		Case Ground						
Sensing Element	Material	Ceramic		Ceramic						
	Mode	Shear		Shear						
PERFORMANCE										
Sensitivity, ±10%		10	mV/g	1.0	mV/m/s ²					
Acceleration Range		500	g pk	4905	m/s ² pk					
Frequency Range	±5%	1 to 13,000	Hz	1 to 13,000	Hz					
	±10%	0.6 to 15,000	Hz	0.6 to 15,000	Hz					
Resonance Frequency		>44	kHz	>44	kHz					
Linearity [2]		±1	%	±1	%					
Transverse Sensitivity		<6	%	<6	%					
Bias Voltage		+10 to +13	VDC	+10 to +13	VDC					
Output Impedance		100	Ω	100	Ω					
Discharge Time Constant		0.2 to 2.0	seconds	0.2 to 2.0	seconds					
Noise floor		0.008	g RMS	0.08	m/s ² RMS					
Spectral Noise	1Hz	1000	µg RMS/√(Hz)	9810	µm/s ² RMS/√(Hz)					
	10Hz	500	µg RMS/√(Hz)	4905	µm/s ² RMS/√(Hz)					
	100Hz	125	µg RMS/√(Hz)	1226	µm/s ² RMS/√(Hz)					
	1000Hz	60	µg RMS/√(Hz)	589	µm/s ² RMS/√(Hz)					
	10000Hz	25	µg RMS/√(Hz)	245	µm/s ² RMS/√(Hz)					
Thermal Transient		0.24	g/°F	0.43	g/°C					
ENVIRONMENTAL										
Shock		5,000	g pk	49050	m/s ² pk					
Operating Temperature		-67 to +250	°F	-55 to +121	°C					
Seal		Hermetic		Hermetic						
Magnetic Sensitivity at 100 Gauss		0.001	g/Gauss	0.01	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					
										
										
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3913A for more information.										



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.698.0362 www.dytran.com
For permission to reprint this content, please contact info@dytran.com



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax: 818.698.0362 www.dytran.com
 For permission to reprint this content, please contact info@dytran.com