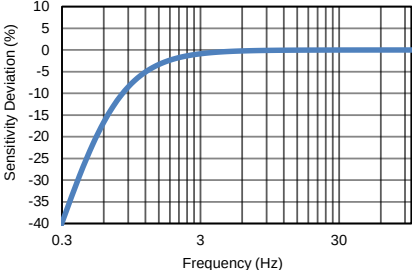
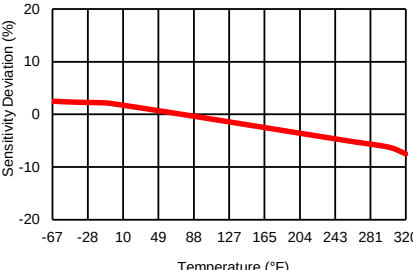
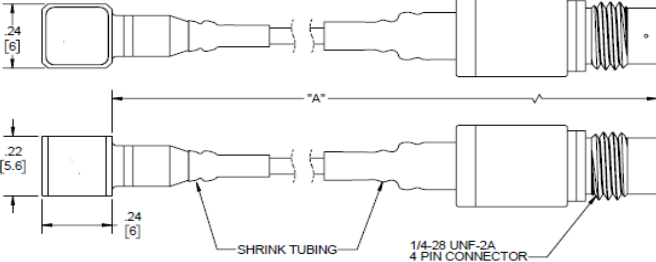


Model Number	PERFORMANCE SPECIFICATION				DOC NO PS3133D4T-XX																														
3133D4T-XX		Accelerometer, Triaxial, IEPE			REV C, ECN 15407, 11/18/19																														
 • ULTRA MINIATURE SIZE • IDEAL LOW FREQUENCY RESPONSE • LOW BASE STRAIN SENSITIVITY • TEDS FEATURE • LOW OUTGASSING																																			
PHYSICAL		ENGLISH		SI																															
Weight		0.03	oz	0.8	grams																														
Mounting		Adhesive		Adhesive																															
Connector	Type	4-pin		4-pin																															
Housing	Material	Titanium		Titanium																															
	Isolation	Case Ground		Case Ground																															
Sensing Element	Material	Quartz		Quartz																															
	Mode	Shear		Shear																															
PERFORMANCE	Sensitivity [1], [2], ± 25%	0.7	mV/g	0.071	mV/m/s ²																														
	Acceleration Range	5,000	Gpeak	49050	m/s ² peak																														
	Frequency Range, ±5%	0.7 to 6000	Hz	0.7 to 6000	Hz																														
	Frequency Range, ±10%	0.7 to 10000	Hz	0.7 to 10000	Hz																														
	Linearity [4]	± 1	% F.S.	± 1	% F.S.																														
	Resonance Frequency	>27	kHz	>27	kHz																														
	Transverse Sensitivity	6	%	6	%																														
	Output Impedance	100	Ω	100	Ω																														
Noise floor, Max.		0.30	Grms	2.94	m/s ² rms																														
ENVIRONMENTAL	Maximum Shock	7,000	Gpeak	68670	m/s ²																														
	Maximum Vibration	6,000	Gpeak	58860	m/s ²																														
	Operating Temperature	-67 to +320	°F	-55 to 160	°C																														
	TEDS Operating Temperature	-40 to +185	°F	-40 to +85	°C																														
	Seal	Hermetic		Hermetic																															
	Magnetic Sensitivity at 100 Gauss	0.0002	g/Gauss	0.002	m/s ² /Gauss																														
	Base Strain Sensitivity	0.001	g/με	0.01	m/s ² /με																														
ELECTRICAL	Compliance Voltage	+18 to +30	VDC	+18 to +30	VDC																														
	Current Range [4]	2 to 20	mA	2 to 20	mA																														
	Bias Voltage	+7 to +10	VDC	+7 to +10	VDC																														
	Discharge Time Constant	0.5 to 2.5	seconds	0.5 to 2.5	seconds																														
	Output Impedance	100	Ω	100	Ω																														
	TEDS Feature [5]	IEEE 1451.4		IEEE 1451.4																															
This family also includes: <table> <tr> <th>Model</th><th>Sensitivity (mV/g)</th><th>Range (Gpeak)</th><th>Resolution (Grms)</th><th>Oper. Temp(°F)</th><th>TC</th></tr> <tr> <td>3133D1T-XX</td><td>10</td><td>500</td><td>0.02</td><td>-67 to 320</td><td>1.1 to 2.5</td></tr> <tr> <td>3133D2T-XX</td><td>2</td><td>2,500</td><td>0.15</td><td>-67 to 320</td><td>0.5 to 2.5</td></tr> <tr> <td>3133D3T-XX</td><td>5</td><td>1,000</td><td>0.06</td><td>-67 to 320</td><td>1.1 to 2.5</td></tr> <tr> <td>3133D5T-XX</td><td>0.25</td><td>20,000</td><td>0.5</td><td>-67 to 320</td><td>0.5 to 4.0</td></tr> </table> Refer to the performance specifications of the products in this family for detailed description Supplied Accessories: 1) Model 6298 small petro wax 2) Model 6741 removal tool 3) Accredited calibration certificate (ISO 17025) Notes: [1] Measured at 100 Hz, 10 Grms [2] Actual sensitivity is given on a calibration certificate [3] Measured using zero-based straight line method, % of F.S. or any lesser range. [4] Do not apply power to this device without current limiting, 20mA max, to do so will destroy the integral IC amplifier [5] In the interest of constant product improvement, we reserve the rights to change the 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 overtime. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. TYPICAL LOW FREQUENCY RESPONSE  TYPICAL TEMPERATURE RESPONSE   Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3133DT for more information.						Model	Sensitivity (mV/g)	Range (Gpeak)	Resolution (Grms)	Oper. Temp(°F)	TC	3133D1T-XX	10	500	0.02	-67 to 320	1.1 to 2.5	3133D2T-XX	2	2,500	0.15	-67 to 320	0.5 to 2.5	3133D3T-XX	5	1,000	0.06	-67 to 320	1.1 to 2.5	3133D5T-XX	0.25	20,000	0.5	-67 to 320	0.5 to 4.0
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