
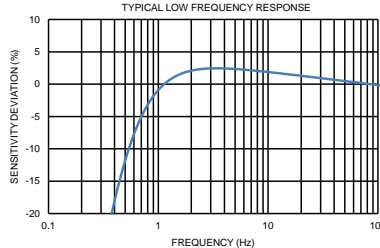
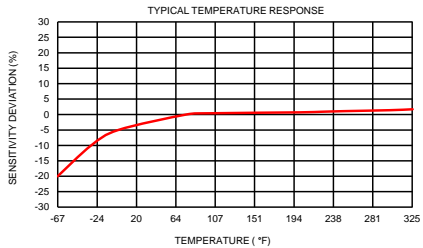
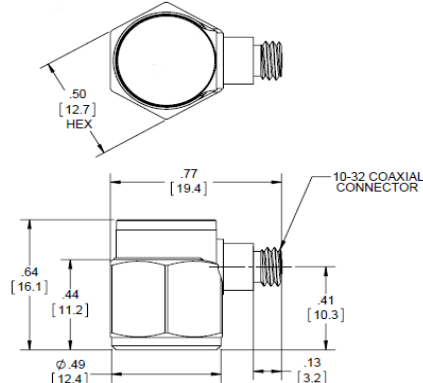



Model Number		PERFORMANCE SPECIFICATIONS				DOC NO																															
3055D7T						PS3055D7T																															
		IEPE ACCELEROMETER				REV B, ECN 16090, 03/02/21																															
		<ul style="list-style-type: none">• -67 °F TO +325°F OPERATION• BASE ISOLATED• IDEAL LOW FREQUENCY RESPONSE• TEDS FEATURE				This family also includes: <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Frequency Response, ±10% (Hz)</th><th>Time Constant (Sec)</th><th>Operating Temp (°F)</th></tr><tr><td>3055D8T</td><td>50</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3055D9T</td><td>20</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3055D10T</td><td>10</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3055D13T</td><td>200</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr><tr><td>3055D14T</td><td>500</td><td>1 to 10000</td><td>0.5 to 1.5</td><td>-67 to +325</td></tr></table>		Model	Sensitivity (mV/g)	Frequency Response, ±10% (Hz)	Time Constant (Sec)	Operating Temp (°F)	3055D8T	50	1 to 10000	0.5 to 1.5	-67 to +325	3055D9T	20	1 to 10000	0.5 to 1.5	-67 to +325	3055D10T	10	1 to 10000	0.5 to 1.5	-67 to +325	3055D13T	200	1 to 10000	0.5 to 1.5	-67 to +325	3055D14T	500	1 to 10000	0.5 to 1.5	-67 to +325
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		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, Qty. 1																																			
		Notes: [1] All specifications are at room temperature unless otherwise specified. [2] Measured at 100Hz, 1 g RMS per ISA RP 37.2. [3] Measure using zero-based straight line method, % of F.S. or any lesser range. [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. 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.																																			
																																					
																																					
		Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3055D7T for more information.																																			

ENGLISH		SI	
Weight	0.35 oz	10	grams
Connector	10-32	10-32	
Mounting Provision	10-32 Tapped hole	10-32 Tapped hole	
Material, Housing/Connector	Titanium	Titanium	
Sensing Element	Ceramic	Ceramic	
Element Style	Planar Shear	Planar Shear	
Sensitivity, ± 5% [2]	100 mV/g	10.2	mV/m/s ²
Range for ± 5 Volts Output	±50 g pk	±491	m/s ² pk
Frequency Response, ± 5%	1 to 5000 Hz	1 to 5000	Hz
Frequency Response, ± 10%	1 to 10000 Hz	1 to 10000	Hz
Resonant Frequency	> 36 kHz	> 36	kHz
Broad Band Resolution	0.0004 g RMS	0.004	m/s ² RMS
Linearity [3]	±1 % F.S.	±1	% F.S.
Maximum Transverse sensitivity	5 %	5	%
Strain Sensitivity @ 250µε	0.002 g/µε	0.02	m/s ² /µε
Maximum Shock	±5,000 g pk	49050	m/s ² pk
Temperature Range	-67 to +325 °F	-55 to +163	°C
TEDS Operating Temperature Range	-40 to +185 °F	-40 to +85	°C
Seal	Hermetic	Hermetic	
Supply Current Range [4]	2 to 20 mA	2 to 20	mA
Compliance Voltage Range	+18 to +30 Volts	+18 to +30	Volts
Output Impedance,Typ	100 Ω	100	Ω
Bias Voltage	+10 to +13 VDC	+10 to +13	VDC
Discharge Time Constant	0.5 to 1.5 Sec	0.5 to 1.5	Sec
Electrical Isolation	10 GΩ, min	10	GΩ, min
TEDS Feature	IEEE 1451.4	IEEE 1451.4	



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