
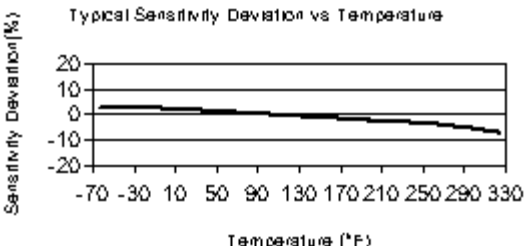


Model Number TLD339A34	TRIAxIAL ICP® ACCELEROMETER			Revision: A ECN #: 43903										
Performance	ENGLISH	SI		<p style="text-align: center;">OPTIONAL VERSIONS</p> <p>Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.</p> <p>T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4</p> <p>TLA - TEDS LMS International - Free Format</p> <p>TLB - TEDS LMS International - Automotive Format</p> <p>TLC - TEDS LMS International - Aeronautical Format</p>										
Sensitivity(± 10 %) Measurement Range Frequency Range(± 5 %) Frequency Range(± 10 %) Resonant Frequency Broadband Resolution(1 to 10,000 Hz) Non-Linearity Transverse Sensitivity TEDS Compliant(Per IEEE 1451.4)	50 mV/g ± 100 g pk 2 to 5000 Hz 1 to 8000 Hz ≥ 35 kHz .005 g rms ≤ 1 % ≤ 5 % Yes	5.1 mV/(m/s ²) ± 980 m/s ² pk 2 to 5000 Hz 1 to 8000 Hz ≥ 35 kHz .049 m/s ² rms ≤ 1 % ≤ 5 % Yes	[1] [2]											
Environmental				<p>NOTES:</p> <p>[1]Typical.</p> <p>[2]Zero-based, least-squares, straight line method.</p> <p>[3]See PCB Declaration of Conformance PS023 for details.</p>										
Overload Limit(Shock) Temperature Range(Operating) Temperature Response Temperature Coefficient of Sensitivity Base Strain Sensitivity Electrical Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Discharge Time Constant Settling Time(within 10% of bias) Spectral Noise(1 Hz) Spectral Noise(10 Hz) Spectral Noise(100 Hz) Spectral Noise(1 kHz) Spectral Noise(10 kHz)	± 5000 g pk -65 to 325 °F See Graph -.03 %/°F .001 g/µε 21 to 30 VDC 2 to 20 mA ≤ 200 Ohm 8 to 14 VDC .2 to .8 sec <5 sec 2000 µg/√Hz 400 µg/√Hz 100 µg/√Hz 50 µg/√Hz 30 µg/√Hz	± 49,000 m/s ² pk -54 to 163 °C See Graph -.06 %/°C .0098 (m/s ²)/µε 21 to 30 VDC 2 to 20 mA ≤ 200 Ohm 8 to 14 VDC .2 to .8 sec <5 sec 19,600 (µm/sec ²)/√Hz 3920 (µm/sec ²)/√Hz 980 (µm/sec ²)/√Hz 490 (µm/sec ²)/√Hz 294 (µm/sec ²)/√Hz	[1] [1] [1] [1] [1]											
Physical				<p>SUPPLIED ACCESSORIES:</p> <p>Model 080A109 Petro Wax (1) Model 080A145 Adhesive Mounting Base (1) Model 080A90 Quick Bonding Gel (1) Model 081A27 Mounting Stud (5-40 to 5-40) (1) Model ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1) Model M081A27 Metric mounting stud, 5-40 to M3 x 0.50 long (1)</p>										
Sensing Element Sensing Geometry Housing Material Sealing Size (Height x Length x Width) Weight Electrical Connector Electrical Connection Position Mounting Thread Mounting Torque	Quartz Shear Titanium Hermetic 0.55 in x 0.80 in x 0.55 in 0.37 oz 1/4-28 4-Pin Side 5-40 Female 10 to 20 in-lb	Quartz Shear Titanium Hermetic 14.0 mm x 20.3 mm x 14.0 mm 10.5 gm 1/4-28 4-Pin Side 5-40 Female 113 to 225 N-cm	[1]											
	<p style="text-align: center;">Typical Sensitivity Deviation vs Temperature</p> 			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td data-bbox="1134 1255 1291 1295">Entered: AP</td> <td data-bbox="1291 1255 1449 1295">Engineer: JJB</td> <td data-bbox="1449 1255 1606 1295">Sales: RM</td> <td data-bbox="1606 1255 1764 1295">Approved: RPF</td> <td data-bbox="1764 1255 1944 1295">Spec Number:</td> </tr> <tr> <td data-bbox="1134 1295 1291 1336">Date: 2/26/2015</td> <td data-bbox="1291 1295 1449 1336">Date: 2/26/2015</td> <td data-bbox="1449 1295 1606 1336">Date: 2/26/2015</td> <td data-bbox="1606 1295 1764 1336">Date: 2/26/2015</td> <td data-bbox="1764 1295 1944 1336" style="text-align: center;">55683</td> </tr> </table>	Entered: AP	Engineer: JJB	Sales: RM	Approved: RPF	Spec Number:	Date: 2/26/2015	Date: 2/26/2015	Date: 2/26/2015	Date: 2/26/2015	55683
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Date: 2/26/2015	Date: 2/26/2015	Date: 2/26/2015	Date: 2/26/2015	55683										
<p>All specifications are at room temperature unless otherwise specified. In the interest of constant product improvement, we reserve the right to change specifications without notice. ICP® is a registered trademark of PCB Group, Inc.</p>	<p style="text-align: center;">PCB PIEZOTRONICS™ 3425 Walden Avenue, Depew, NY 14043</p>			<p style="text-align: right;">Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com</p>										