



Model Number RH240A01	<b>UNIAXIAL ICP® STRAIN SENSOR</b>			Revision A ECN #: 30732					
<b>Performance</b> Sensitivity (±20 %) Measurement Range Frequency Range (-5 %) Broadband Resolution (1 to 10000 Hz) Non-Linearity	<b>ENGLISH</b> 100 mV/με 50 pk με 0.015 Hz 0.0001 με ≤2 %	<b>SI</b> 100 mV/με 50 pk με 0.015 Hz 0.0001 με ≤2 %		<b>Optional Versions</b> (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) <b>J</b> - Ground Isolated <b>M</b> - Metric Mount Supplied Accessory: Model M081A100 M6 x 1.00 flathead screw <b>W</b> - Water Resistant Cable					
<b>Environmental</b> Temperature Range (Operating)	-65 to +250 °F	-54 to +121 °C	[1]	<b>Notes</b> [1] Typical.					
<b>Electrical</b> Excitation Voltage Constant Current Excitation Output Bias Voltage Discharge Time Constant	20 to 30 VDC 2 to 20 mA 8 to 14 VDC ≥35 sec	20 to 30 VDC 2 to 20 mA 8 to 14 VDC ≥35 sec		[2] Based on 100 mV/μ&epsilon; sensitivity. [3] Calculated from discharge time constant. [4] Zero-based, least-squares, straight line method. [5] See PCB Declaration of Conformance PS023 for details.					
<b>Physical</b> Sensing Element Housing Material Electrical Connector Electrical Connection Position Sealing Mounting Torque Size (Width x Length x Height)	Quartz Stainless Steel 10-32 Coaxial Jack Side Epoxy 7.38 ft-lb 0.67 in x 1.81 in x 0.6 in	Quartz Stainless Steel 10-32 Coaxial Jack Side Epoxy 10 Nm 17 mm x 46 mm x 15.2 mm		<b>Supplied Accessories</b> 081A100 1/4 -28 flathead hex screw (1)					
Weight	1.6 oz	45 gm	[1]						
 [5]									
<p><i>All specifications are at room temperature unless otherwise specified.</i></p> <p>In the interest of constant product improvement, we reserve the right to change specifications without notice.</p> <p>ICP® is a registered trademark of PCB group, Inc.</p> <p>This model, designated with an RH prefix, is RoHS compliant. For further details, and to obtain PCB's RoHS Statement of Conformance, please visit <a href="http://www.pcb.com">www.pcb.com</a>.</p>									
Entered: BLS		Engineer: APB		Sales: KWW		Approved: LLH		Spec Number:	
Date: 05/26/2009		Date: 05/26/2009		Date: 05/26/2009		Date: 05/29/2009		<b>36895</b>	
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