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|---|--|-------------------------|-----|---|
| Model Number RHM240A02 | UNIAXIAL STRAIN SENSOR | | | Revision: A ECN #: 45631 |
| Performance | ENGLISH | SI | | OPTIONAL VERSIONS |
| Sensitivity(± 20 %) | 50 mV/με | 50 mV/με | | Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. |
| Measurement Range | 100 pk με | 100 pk με | [2] | |
| Frequency Range(-5 %) | 0.004 Hz | 0.004 Hz | [3] | |
| Broadband Resolution(1 to 10,000 Hz) | 0.0002 με | 0.0002 με | [1] | |
| Non-Linearity | ≤ 2 % | ≤ 2 % | [4] | W - Water Resistant Cable |
| Environmental | | | | |
| Temperature Range(Operating) | -65 to +250 °F | -54 to +121 °C | [1] | |
| Electrical | | | | NOTES: |
| Excitation Voltage | 20 to 30 VDC | 20 to 30 VDC | | [1]Typical. |
| Constant Current Excitation | 2 to 20 mA | 2 to 20 mA | | [2]Based on 10 mV/με sensitivity. |
| Output Bias Voltage | 8 to 14 VDC | 8 to 14 VDC | | [3]Calculated from discharge time constant. |
| Discharge Time Constant | ≥ 150 sec | ≥ 150 sec | | [4]Zero-based, least-squares, straight line method. |
| | | | | [5]See PCB Declaration of Conformance PS023 for details. |
| Physical | | | | SUPPLIED ACCESSORIES: |
| Sensing Element | Quartz | Quartz | | Model M081A100 M6 x 1.00 flathead screw (1) |
| Housing Material | Stainless Steel | Stainless Steel | | |
| Electrical Connector | 10-32 Coaxial Jack | 10-32 Coaxial Jack | | |
| Electrical Connection Position | Side | Side | | |
| Sealing | Epoxy | Epoxy | | |
| Mounting Torque | 7.38 ft-lb | 10 Nm | | |
| Size (Width x Length x Height) | 0.67 in x 1.81 in x 0.6 in | 17 mm x 46 mm x 15.2 mm | | |
| Weight | 1.6 oz | 45 gm | [1] | |
| | | | | Entered: LK Engineer: APB Sales: WDC Approved: APB Spec Number: |
| | | | | Date: 7/8/2016 Date: 7/8/2016 Date: 7/8/2016 Date: 7/8/2016 36796 |
|  | <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>Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com</p> |



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