



Model Number RHM240A03	UNIAXIAL STRAIN SENSOR			Revision: A ECN #: 45631
Performance	ENGLISH	SI		OPTIONAL VERSIONS
Sensitivity(± 20 %)	10 mV/με	10 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	300 pk με	300 pk με	[2]	
Frequency Range(-5 %)	0.004 Hz	0.004 Hz	[3]	
Broadband Resolution(1 to 10,000 Hz)	0.001 με	0.001 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]	
				
<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>				
			Entered: LK	Engineer: APB
			Date: 7/8/2016	Date: 7/8/2016
			Date: 7/8/2016	Date: 7/8/2016
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