

Model Number RHM240A01		UNIAXIAL STRAIN SENSOR			Revision: B ECN #: 45631						
Performance		ENGLISH	SI	OPTIONAL VERSIONS							
Sensitivity(± 20 %)		100 mV/με	100 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. W - Water Resistant Cable							
Measurement Range		50 pk με	50 pk με								
Frequency Range(-5 %)		0.015 Hz	0.015 Hz								
Broadband Resolution(1 to 10,000 Hz)		0.0001 με	0.0001 με								
Non-Linearity		≤ 2 %	≤ 2 %								
Environmental											
Temperature Range(Operating)		-65 to +250 °F	-54 to +121 °C								
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 100 mV/με sensitivity.							
Output Bias Voltage		8 to 14 VDC	8 to 14 VDC	[3]Calculated from discharge time constant.							
Discharge Time Constant		≥ 35 sec	≥ 35 sec	[4]Zero-based, least-squares, straight line method.							
Physical				[5]See PCB Declaration of Conformance PS023 for details.							
Sensing Element		Quartz	Quartz								
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								
 [5] <i>All specifications are at room temperature unless otherwise specified.</i> <i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i> ICP® is a registered trademark of PCB Group, Inc.				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	36895
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