Model Number	ICP® CIRCUIT SIMULATOR	Revision: NR
RH401B04		ECN #: 47284

Performance	**ENGLISH**	**SI**	
Gain(+0 to -2 %)	1	1	
Output Range	± 5 V	± 5 V	
Low Frequency Response	0 Hz	0 Hz	
High Frequency Response(2.0 mA)	110 kHz	110 kHz	[4]
High Frequency Response(4 mA)	220 kHz	220 kHz	[4]
High Frequency Response(20 mA)	1000 kHz	1000 kHz	[4]
Non-Linearity	≤ 2 % FS	≤ 2 % FS	
Environmental			
Temperature Range(Operating)	+30 to +150 °F	-1.1 to +65.5 °C	
Electrical			
Excitation Voltage	+18 to 30 VDC	+18 to 30 VDC	[1]
Output Bias Voltage	+7 to 14 VDC	+7 to 14 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Current	1 to 19 mA	1 to 19 mA	[2]
Output Impedance	<100 Ohm	<100 Ohm	
Broadband Electrical Noise(10 kHz)	12 µV rms	12 µV rms	[3]
Spectral Noise(1 Hz)	4 µg/√Hz	4 µg/√Hz	[3]
Spectral Noise(10 Hz)	1 µg/√Hz	1 µg/√Hz	[3]
Spectral Noise(100 Hz)	0.3 µg/√Hz	0.3 µg/√Hz	[3]
Spectral Noise(1 kHz)	0.1 µg/√Hz	0.1 µg/√Hz	[3]
Spectral Noise(10 kHz)	0.05 µg/√Hz	0.05 µg/√Hz	[3]
Insulation Resistance(Minimum)	10^9 Ohm	10^9 Ohm	
Physical			
Housing Material	Aluminum	Aluminum	
Electrical Connector(Input)	BNC Plug	BNC Plug	
Electrical Connector(Output)	BNC Jack	BNC Jack	
Size (Length x Width x Height)	2.2 in x 1.1 x 0.9	55.9 mm x 27.9 x 22.9	
Weight	2.50 oz	70.9 gm	

CE[5]

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.

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This model, designated with an RH prefix, is RoHS compliant. For further details, and to obtain PCB's RoHS Statement of Conformance, please visit http://www.pcb.com

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

NOTES:

[1] Voltage < 20 VDC reduces input range to ±3V.
[2] Excitation current supplied minus 1 mA nominal current consumption.
[3] Typical, tested with 1000 pF capacitance at input.
[4] Above stated frequency, the amplifier becomes slew rate limited.
[5] See PCB Declaration of Conformance PS024 for details. A low impendance connection from case to earth ground is required to maintain CE compliance.

Entered: LK	Engineer: BAM	Sales: KWW	Approved: BAM	Spec Number:
Date: 9/28/2017	Date: 9/28/2017	Date: 9/28/2017	Date: 9/28/2017	**68059**

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