

Model Number 401B04	ICP® SOURCE FOLLOWER			Revision: F ECN #: 52519
<b>Performance</b> Gain(+ 0 to -2 %) Output Range Low Frequency Response High Frequency Response(2.0 mA) High Frequency Response(4 mA) High Frequency Response(20 mA) Non-Linearity <b>Environmental</b> Temperature Range(Operating) <b>Electrical</b> Excitation Voltage Constant Current Excitation Output Impedance Output Bias Voltage Output Current Broadband Electrical Noise(10 to 100,000 kHz) Spectral Noise(1 Hz) Spectral Noise(10 Hz) Spectral Noise(100 Hz) Spectral Noise(1 kHz) Spectral Noise(10 kHz) Insulation Resistance(Minimum) <b>Physical</b> Housing Material Electrical Connector(Input) Electrical Connector(Output) Size (Length x Width x Height) Weight	<b>ENGLISH</b> 1 ± 5 V 0 Hz 110 kHz 220 kHz 1,000 kHz ≤ 2 % FS +30 to +150 °F + 18 to 30 VDC 2 to 20 mA < 100 Ohm + 7 to 14 VDC 1 to 19 mA 12 µV rms 4 µV/√Hz 1 µV/√Hz 0.3 µV/√Hz 0.1 µV/√Hz 0.05 µV/√Hz 10 <sup>9</sup> Ohm Aluminum BNC Plug BNC Jack 2.2 in x 1.1 x 0.9 2.50 oz	<b>SI</b> 1 ± 5 V 0 Hz 110 kHz 220 kHz 1,000 kHz ≤ 2 % FS -1.1 to +65.5 °C + 18 to 30 VDC 2 to 20 mA < 100 Ohm + 7 to 14 VDC 1 to 19 mA 12 µV rms 4 µV/√Hz 1 µV/√Hz 0.3 µV/√Hz 0.1 µV/√Hz 0.05 µV/√Hz 10 <sup>9</sup> Ohm Aluminum BNC Plug BNC Jack 55.9 mm x 27.9 x 22.9 70.9 gm	[1] [1] [1] [2] [3] [4] [4] [4] [4] [4] [4]	<b>OPTIONAL VERSIONS</b> Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
<b>NOTES:</b> [1]Above stated frequency, the amplifier becomes slew rate limited. [2]Voltage < 20 VDC reduces input range to ±3V. [3]Excitation current supplied minus 1 mA nominal current consumption. [4]Typical, tested with 1000 pF capacitance at input. [5]See PCB Declaration of Conformance PS024 for details. A low impedance connection from case to earth ground is required to maintain CE compliance.				
				
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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 Piezotronics, Inc.				