



Model Number 378C01	ICP MICROPHONE SYSTEM			Revision: J ECN #: 49878										
<b>Performance</b> Nominal Microphone Diameter Frequency Response Characteristic(at 0° incidence) Sensitivity Sensitivity(± 3 dB) Frequency Range(+2 / -3 dB) Frequency Range(± 2 dB) Frequency Range(± 1 dB) Lower Limiting Frequency(- 3 dB) Inherent Noise Dynamic Range(3% Distortion Limit) TEDS Compliant	<b>ENGLISH</b> 1/4" Free-Field 2.0 mV/Pa - 54 dB re 1 V/Pa 4 to 100,000 Hz 5 to 80,000 Hz 7 to 12,500 Hz 0.75 to 4.0 Hz 42 dB(A) re 20 µPa 165 dB re 20 µPa Yes	<b>SI</b> 1/4" Free-Field 2.0 mV/Pa - 54 dB re 1 V/Pa 4 to 100,000 Hz 5 to 80,000 Hz 7 to 12,500 Hz 0.75 to 4.0 Hz 42 dB(A) re 20 µPa 165 dB re 20 µPa Yes		<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>Environmental</b> Temperature Range(Operating) Temperature Coefficient of Sensitivity(+14 to +158°F (-10 to +70°C)) Static Pressure Coefficient Humidity Coefficient of Sensitivity(0 to 100%, non-condensing) Influence of Axial Vibration(0.1g (1 m/s <sup>2</sup> ))	-40 to +176 °F 0.003 dB/°F - 0.009 dB/kPa ± 0.0014 dB/%RH 60 dB re 20 µPa	-40 to +80 °C 0.006 dB/°C - 0.009 dB/kPa ± 0.0014 dB/%RH 60 dB re 20 µPa	[5] [3][1] [3][1] [1] [3]	<b>NOTES:</b> [1]re 250 Hz [2]A-Weighted inherent noise is specified from 20 Hz - 20 kHz. [3]Typical. [4]TEDS Capable Digital Communication, compliant with IEEE 1451.4 [5]Limited to 70°C if ICP current >10mA [6]Prepolarized [7]Venting through Preamp. [8]See PCB Declaration of Conformance PS167 and PS076 for details.										
<b>Electrical</b> Polarization Voltage Excitation Voltage Constant Current Excitation Output Bias Voltage Maximum Output Voltage Output Impedance	0 V 20 to 32 VDC 2 to 20 mA 10 to 14 VDC ± 8 Vpk < 50 Ohm	0 V 20 to 32 VDC 2 to 20 mA 10 to 14 VDC ± 8 Vpk < 50 Ohm	[6]	<b>SUPPLIED ACCESSORIES:</b> Model ACS-63 Calibration (with TEDS) of Precision Condenser Microphones and Preamplifiers together (mated pair). (1)										
<b>Physical</b> Housing Material Venting Electrical Connector Mounting Thread(Grid) Size - Diameter(with grid) Size - Diameter (without grid) Size - Height(with grid) Size - Height(without grid) Weight	Stainless Alloy Rear 10-32 Jack 0.25 - 60 UNS 0.28 in 0.25 in 2.07 in 2.02 in 0.27 oz	Stainless Alloy Rear 10-32 Jack 0.25 - 60 UNS 7.1 mm 6.35 mm 52.6 mm 51.3 mm 7.8 gm	[7] [3]	<table border="1"> <tr> <td data-bbox="1129 1274 1285 1315">Entered: Ink</td> <td data-bbox="1285 1274 1440 1315">Engineer: MJN</td> <td data-bbox="1440 1274 1596 1315">Sales: MV</td> <td data-bbox="1596 1274 1751 1315">Approved: BAM</td> <td data-bbox="1751 1274 1915 1315">Spec Number:</td> </tr> <tr> <td data-bbox="1129 1315 1285 1356">Date: 08/21/2019</td> <td data-bbox="1285 1315 1440 1356">Date: 08/21/2019</td> <td data-bbox="1440 1315 1596 1356">Date: 08/21/2019</td> <td data-bbox="1596 1315 1751 1356">Date: 08/21/2019</td> <td data-bbox="1751 1315 1915 1356">57856</td> </tr> </table>	Entered: Ink	Engineer: MJN	Sales: MV	Approved: BAM	Spec Number:	Date: 08/21/2019	Date: 08/21/2019	Date: 08/21/2019	Date: 08/21/2019	57856
Entered: Ink	Engineer: MJN	Sales: MV	Approved: BAM	Spec Number:										
Date: 08/21/2019	Date: 08/21/2019	Date: 08/21/2019	Date: 08/21/2019	57856										
 [8]	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.			 <b>Phone: 716-684-0001</b> <b>Fax: 716-684-0987</b> <b>E-Mail: info@pcb.com</b> 3425 Walden Avenue, Depew, NY 14043										