



Model Number 426E01	<b>MICROPHONE PREAMPLIFIER</b>		Revision E ECN #: 32199										
<b>Performance</b> Nominal Microphone Diameter Gain Frequency Response (±0.1 dB) (re 1 kHz) Frequency Response (-3 dB) (re 1 kHz) Phase Linearity (<1 °) Phase Linearity (-1 to +10 °) Electrical Noise (A-weight) Electrical Noise (A-weight) Electrical Noise (Flat 20 Hz to 20 kHz) Electrical Noise (Flat 20 Hz to 20 kHz) Distortion (3 V rms input at 1 kHz) Output Slew Rate TEDS Compliant	<b>ENGLISH</b> 1/2" -0.05 dB 6.3 to 125000 Hz <0.9 Hz 32 to 20000 Hz 3.2 to 32 Hz <2.8 µV 1.7 µV <5 µV 3 µV <-70 dB 2 V/µS Yes	<b>SI</b> 1/2" -0.05 dB 6.3 to 125000 Hz <0.9 Hz 32 to 20000 Hz 3.2 to 32 Hz <2.8 µV 1.7 µV <5 µV 3 µV <-70 dB 2 V/µS Yes	<b>Optional Versions</b> (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)  <b>Notes</b> [1] Typical. [2] Measured with an 18 pF reference microphone. [3] TEDS Capable Digital Memory and Communication, compliant with IEEE P1451.4 [4] See PCB Declaration of Conformance PS064 for details.  <b>Supplied Accessories</b> ERC-16 Calibration of microphone preamplifier (1)										
<b>Environmental</b> Temperature Range (Operating) Temperature Response Humidity Range (Non-Condensing) Humidity Sensitivity	-40 to +176 °F <0.05 dB 0 to 95 %RH <0.05 dB	-40 to +80 °C <0.05 dB 0 to 95 %RH <0.05 dB											
<b>Electrical</b> Excitation Voltage Constant Current Excitation Impedance (Input) Capacitance (Input) Output Bias Voltage Impedance (Output) Output Voltage (Maximum)	20 to 32 VDC 2 to 20 mA 20 GOhm 0.06 pF 10 to 14 VDC <50 Ohm ±7 Vpk	20 to 32 VDC 2 to 20 mA 20 GOhm 0.06 pF 10 to 14 VDC <50 Ohm ±7 Vpk	[1][2] [2] [2] [2] [1][2] [2] [1][2] [2] [1] [3]										
<b>Physical</b> Housing Material Size (Diameter x Length) Weight Electrical Connector Mounting Thread (Microphone to Preamplifier)	Stainless Steel 0.5 in x 3.18 in 1.35 oz BNC Jack 0.4606 - 60 UNS	Stainless Steel 12.7 mm x 80.7 mm 38 gm BNC Jack 11.7 mm - 60 UNS											
													
<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>	<table border="1" data-bbox="1125 1174 2018 1248"> <tr> <td>Entered: LLH</td> <td>Engineer: BAM</td> <td>Sales: WDC</td> <td>Approved: LLH</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 01/26/2010</td> <td>Date: 01/19/2010</td> <td>Date: 01/27/2010</td> <td>Date: 01/27/2010</td> <td><b>29303</b></td> </tr> </table> <div data-bbox="1136 1273 1524 1344">  </div> <div data-bbox="1566 1273 1801 1445"> 3425 Walden Avenue  Depew, NY 14043  UNITED STATES  Phone: 800-828-8840  Fax: 716-684-0987  E-mail: info@pcb.com  Web site: www.pcb.com </div>			Entered: LLH	Engineer: BAM	Sales: WDC	Approved: LLH	Spec Number:	Date: 01/26/2010	Date: 01/19/2010	Date: 01/27/2010	Date: 01/27/2010	<b>29303</b>
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