



Model Number <b>426A05</b>	<b>MICROPHONE PREAMPLIFIER</b>			Revision: A ECN #: 42966										
<b>Performance</b> Nominal Microphone Diameter Gain Frequency Response( $\pm 0.1$ dB)(re 1 kHz) Frequency Response( $\pm 0.2$ dB)(re 1 kHz) Frequency Response(-3 dB)(re 1 kHz) Phase Linearity( $<1^\circ$ ) 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> 1/4" -0.19 dB 5 to 126,000 Hz 3.2 to 126,000 Hz <0.7 Hz 63 to 20,000 Hz <3.2 $\mu$ V 1.9 $\mu$ V <5.6 $\mu$ V 3.4 $\mu$ V <-70 dB 2 V/ $\mu$ S Yes	<b>SI</b> 1/4" -0.19 dB 5 to 126,000 Hz 3.2 to 126,000 Hz <0.7 Hz 63 to 20,000 Hz <3.2 $\mu$ V 1.9 $\mu$ V <5.6 $\mu$ V 3.4 $\mu$ V <-70 dB 2 V/ $\mu$ S 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 Range(Storage) Temperature Response Humidity Range(Non-Condensing) Humidity Sensitivity	-40 to 158 °F -40 to 185 °F <0.03 dB 0 to 95 %RH <0.03 dB	-40 to 70 °C -40 to 85 °C <0.03 dB 0 to 95 %RH <0.03 dB		<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 PS076 for details.										
<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 2x10 <sup>10</sup> Ohm 0.15 pF 10 to 14 VDC <50 Ohm $\pm 8$ V	20 to 32 VDC 2 to 20 mA 2x10 <sup>10</sup> Ohm 0.15 pF 10 to 14 VDC <50 Ohm $\pm 8$ V	[1] [1] [1]	<b>SUPPLIED ACCESSORIES:</b> Model ERC-16 Calibration of microphone preamplifier (1)										
<b>Physical</b> Housing Material Size (Diameter x Length) Weight Electrical Connector Mounting Thread(Microphone to Preamplifier)	Stainless Steel 0.25 in x 1.74 in 0.21 oz 10-32 Coaxial Jack 0.2244 - 60 UNS	Stainless Steel 6.4 mm x 44.2 mm 6 gm 10-32 Coaxial Jack 5.7 mm - 60 UNS		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Entered: AP</td> <td style="width: 15%;">Engineer: MT</td> <td style="width: 15%;">Sales: MV</td> <td style="width: 15%;">Approved: MT</td> <td style="width: 40%;">Spec Number:</td> </tr> <tr> <td>Date: 6/2/2014</td> <td>Date: 6/2/2014</td> <td>Date: 6/2/2014</td> <td>Date: 6/2/2014</td> <td style="text-align: center;"><b>53855</b></td> </tr> </table>	Entered: AP	Engineer: MT	Sales: MV	Approved: MT	Spec Number:	Date: 6/2/2014	Date: 6/2/2014	Date: 6/2/2014	Date: 6/2/2014	<b>53855</b>
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Date: 6/2/2014	Date: 6/2/2014	Date: 6/2/2014	Date: 6/2/2014	<b>53855</b>										
 <p>[4] 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>	 <p>3425 Walden Avenue, Depew, NY 14043 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com</p>													