



Model Number 426B03	MICROPHONE PREAMPLIFIER			Revision: D ECN #: 42966										
Performance Nominal Microphone Diameter Gain Frequency Response(± 0.1 dB)(re 1 kHz) Frequency Response(± 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	ENGLISH 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 μ V 1.9 μ V <5.6 μ V 3.4 μ V <-70 dB 2 V/ μ S Yes	SI 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 μ V 1.9 μ V <5.6 μ V 3.4 μ V <-70 dB 2 V/ μ S Yes		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.										
Environmental 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		NOTES: [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.										
Electrical 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 ¹⁰ Ohm 0.15 pF 10 to 14 VDC <50 Ohm ± 8 V	20 to 32 VDC 2 to 20 mA 2x10 ¹⁰ Ohm 0.15 pF 10 to 14 VDC <50 Ohm ± 8 V	[1] [1] [1]	SUPPLIED ACCESSORIES: Model ERC-16 Calibration of microphone preamplifier (1)										
Physical 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	[1]											
 [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.			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Entered: AP</td> <td style="width: 25%;">Engineer: MT</td> <td style="width: 25%;">Sales: MV</td> <td style="width: 25%;">Approved: MT</td> <td style="width: 20%;">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;">22760</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	22760
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