

Model Number 426A13		MICROPHONE PREAMPLIFIER			Revision: NR ECN #: 43615											
Performance		ENGLISH	SI		OPTIONAL VERSIONS											
Nominal Microphone Diameter		1/2"	1/2"		Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.											
Gain		-0.20 dB	-0.20 dB	[1][2]												
Frequency Response(± 0.2 dB)(re 1 kHz)		10 to 126,000 Hz	10 to 126,000 Hz													
Frequency Response(-3 dB)(re 1 kHz)		<0.6 Hz	<0.6 Hz													
Phase Linearity(<1 °)		63 to 20,000 Hz	63 to 20,000 Hz													
Electrical Noise(A-weight)		<3 µV	<3 µV	[2]												
Electrical Noise(A-weight)		2.1 µV	2.1 µV	[1][2]												
Electrical Noise(Flat 20 Hz to 20 kHz)		<6 µV	<6 µV	[2]												
Electrical Noise(Flat 20 Hz to 20 kHz)		3.5 µV	3.5 µV	[1][2]												
Distortion(3 V rms input at 1 kHz)		<-70 dB	<-70 dB													
Output Slew Rate		2 V/µS	2 V/µS	[1]	NOTES: [1]Typical. [2]Measured with an 18 pF reference microphone. [3]TEDS Capable Digital Memory and Communication, compliant with IEEE P1451.4, uses DS2431. [4]See PCB Declaration of Conformance PS076 for details.											
TEDS Compliant		Yes	Yes	[3]												
Environmental																
Temperature Range(Operating)		-40 to 158 °F	-40 to 70 °C													
Temperature Range(Storage)		-40 to 185 °F	-40 to 85 °C													
Temperature Response		<0.03 dB	<0.03 dB													
Humidity Range(Non-Condensing)		0 to 95 %RH	0 to 95 %RH													
Humidity Sensitivity		<0.03 dB	<0.03 dB													
Electrical																
Excitation Voltage		20 to 32 VDC	20 to 32 VDC													
Constant Current Excitation		2 to 20 mA	2 to 20 mA		SUPPLIED ACCESSORIES: Model ERC-16 Calibration of microphone preamplifier (1)											
Impedance(Input)		2x10 ¹⁰ Ohm	2x10 ¹⁰ Ohm	[1]												
Capacitance(Input)		0.2 pF	0.2 pF	[1]												
Output Bias Voltage		10 to 14 VDC	10 to 14 VDC													
Impedance(Output)		<50 Ohm	<50 Ohm													
Output Voltage		± 8 V	± 8 V	[1]												
Physical																
Housing Material		Stainless Steel	Stainless Steel													
Size (Diameter x Length)		0.5 in x 1.4 in	12.7 mm x 35.7 mm													
Weight		0.13 oz	3.6 gm													
Electrical Connector		10-32 Coaxial Jack	10-32 Coaxial Jack		<table><tr><td>Entered: AP</td><td>Engineer: AK</td><td>Sales: MV</td><td>Approved: JWH</td><td>Spec Number:</td></tr><tr><td>Date: 12/10/2014</td><td>Date: 12/10/2014</td><td>Date: 12/10/2014</td><td>Date: 12/10/2014</td><td>56897</td></tr></table>		Entered: AP	Engineer: AK	Sales: MV	Approved: JWH	Spec Number:	Date: 12/10/2014	Date: 12/10/2014	Date: 12/10/2014	Date: 12/10/2014	56897
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Mounting Thread(Microphone to Preamplifier)		0.4606 - 60 UNS	11.7 mm - 60 UNS													
 [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.  3425 Walden Avenue, Depew, NY 14043 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com																