



Model Number <b>426A14</b>	<b>PHANTOM POWER MICROPHONE PREAMPLIFIER</b>			Revision: NR ECN #: 46576				
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>		<b>OPTIONAL VERSIONS</b>				
Nominal Microphone Diameter	1/4" or 1/2"	1/4" or 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	-0.2 dB	-0.2 dB	[1][2]					
Frequency Response(± 0.1 dB)(re 1 kHz)	11 to 100,000 Hz	11 to 100,000 Hz						
Frequency Response(-3 dB)(re 1 kHz)	<1.8 Hz	<1.8 Hz						
Electrical Noise(A-weight)	<2 µV	<2 µV	[2]					
Electrical Noise(A-weight)	1.5 µV	1.5 µV	[2][1]					
Electrical Noise(Flat 20 Hz to 20 kHz)	<4.5 µV	<4.5 µV	[2]					
Electrical Noise(Flat 20 Hz to 20 kHz)	3.5 µV	3.5 µV	[2][1]					
Distortion(3 V rms input at 1 kHz)	<-70 dB	<-70 dB	[1]					
Output Slew Rate	11 V/µS	11 V/µS	[1]					
<b>Environmental</b>				<b>NOTES:</b>				
Temperature Range(Operating)	-40 to +149 °F	-40 to +65 °C		[1] Typical.				
Temperature Response	<0.05 dB	<0.05 dB		[2] Measured with an 18 pF reference microphone.				
Humidity Range(Non-Condensing)	0 to 95 %RH	0 to 95 %RH		[3] See PCB Declaration of Conformance PS147 for details.				
Humidity Sensitivity	<0.05 dB	<0.05 dB						
<b>Electrical</b>				<b>SUPPLIED ACCESSORIES:</b>				
Current Draw	6.5 mA	6.5 mA	[1]	Model 079A49 Phantom power preamplifier holder (1)				
Impedance(Input)	20 GOhm	20 GOhm	[1]	Model 64443-01 Quarter inch adaptor (1)				
Capacitance(Input)	0.25 pF	0.25 pF	[1]	Model 64444-01 Half inch to quarter inch adaptor (1)				
Impedance(Output)	<50 Ohm	<50 Ohm		Model ERC-16 Calibration of microphone preamplifier (1)				
Output Voltage	± 10 Vpk	± 10 Vpk	[1]					
<b>Physical</b>								
Housing Material	Stainless Steel	Stainless Steel						
Size (Diameter x Length)	0.79 in x 6.50 in	20.1 mm x 165.1 mm						
Weight	6.23 oz	176.5 gm	[1]					
Electrical Connector	3-Pin XLR	3-Pin XLR						
Mounting Thread(Microphone to Preamplifier)	0.2244 - 60 UNS	0.2244 - 60 UNS						
 [3]				Entered: LK	Engineer: MJN	Sales: MV	Approved: MT	Spec Number:
				Date: 3/31/2017	Date: 3/31/2017	Date: 3/31/2017	Date: 3/31/2017	<b>66287</b>
<i>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.</i>						<b>Phone: 716-684-0001</b> <b>Fax: 716-684-0987</b> <b>E-Mail: info@pcb.com</b>		
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