

Model Number 426A14	PHANTOM POWER MICROPHONE PREAMPLIFIER	Revision: NR ECN #: 46576
-------------------------------	--	------------------------------

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Nominal Microphone Diameter	1/4" or 1/2"	1/4" or 1/2"	
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]
Environmental			
Temperature Range(Operating)	-40 to +149 °F	-40 to +65 °C	
Temperature Response	<0.05 dB	<0.05 dB	
Humidity Range(Non-Condensing)	0 to 95 %RH	0 to 95 %RH	
Humidity Sensitivity	<0.05 dB	<0.05 dB	
Electrical			
Current Draw	6.5 mA	6.5 mA	[1]
Impedance(Input)	20 GOhm	20 GOhm	[1]
Capacitance(Input)	0.25 pF	0.25 pF	[1]
Impedance(Output)	<50 Ohm	<50 Ohm	
Output Voltage	± 10 Vpk	± 10 Vpk	[1]
Physical			
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	

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.

NOTES:
 [1] Typical.
 [2] Measured with an 18 pF reference microphone.
 [3] See PCB Declaration of Conformance PS147 for details.

SUPPLIED ACCESSORIES:
 Model 079A49 Phantom power preamplifier holder (1)
 Model 64443-01 Quarter inch adaptor (1)
 Model 64444-01 Half inch to quarter inch adaptor (1)
 Model ERC-16 Calibration of microphone preamplifier (1)

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	66287



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.



Phone: 716-684-0001
Fax: 716-684-0987
E-Mail: info@pcb.com