

Model Number 426A14		PHANTOM POWER MICROPHONE PREAMPLIFIER			Revision: NR ECN #: 46576											
Performance		ENGLISH	SI	OPTIONAL VERSIONS												
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													
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													
Electrical Noise(A-weight)		1.5 µV	1.5 µV													
Electrical Noise(Flat 20 Hz to 20 kHz)		<4.5 µV	<4.5 µV													
Electrical Noise(Flat 20 Hz to 20 kHz)		3.5 µV	3.5 µV													
Distortion(3 V rms input at 1 kHz)		<-70 dB	<-70 dB													
Output Slew Rate		11 V/µS	11 V/µS													
Environmental				NOTES: [1] Typical. [2] Measured with an 18 pF reference microphone. [3] See PCB Declaration of Conformance PS147 for details.												
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													
Impedance(Input)		20 GOhm	20 GOhm													
Capacitance(Input)		0.25 pF	0.25 pF													
Impedance(Output)		<50 Ohm	<50 Ohm													
Output Voltage		± 10 Vpk	± 10 Vpk													
Physical				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)												
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													
Electrical Connector		3-Pin XLR	3-Pin XLR													
Mounting Thread(Microphone to Preamplifier)		0.2244 - 60 UNS	0.2244 - 60 UNS													
 [3]				<table><tr><td>Entered: LK</td><td>Engineer: MJN</td><td>Sales: MV</td><td>Approved: MT</td><td>Spec Number:</td></tr><tr><td>Date: 3/31/2017</td><td>Date: 3/31/2017</td><td>Date: 3/31/2017</td><td>Date: 3/31/2017</td><td>66287</td></tr></table>			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
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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.																
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