



Model Number <b>426A07</b>		<b>MICROPHONE PREAMPLIFIER</b>			Revision: NR ECN #: 43169	
<b>Performance</b>		<u>ENGLISH</u>		<u>SI</u>		<b>OPTIONAL VERSIONS</b> Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Nominal Microphone Diameter		1/4"		1/4"		
Gain		-0.19 dB		-0.19 dB		
Gain		-0.25 dB		-0.25 dB		
Frequency Response(± 0.2 dB)(re 1 kHz)		2.5 to 126,000 Hz		2.5 to 126,000 Hz		
Frequency Response(-3 dB)(re 1 kHz)		<0.7 Hz		<0.7 Hz		
Phase Linearity(<1 °)		63 to 20,000 Hz		63 to 20,000 Hz		
Electrical Noise(A-weight)		<2.5 µV		<2.5 µV		
Electrical Noise(A-weight)		1.8 µV		1.8 µV		
Electrical Noise(Flat 20 Hz to 20 kHz)		<5.6 µV		<5.6 µV		
Electrical Noise(Flat 20 Hz to 20 kHz)		3.5 µV		3.5 µV		
Electrical Noise(A-weight)		3.3 µV		3.3 µV		
Electrical Noise(Flat 20 Hz to 20 kHz)		5.9 µV		5.9 µV		
Distortion(3 V rms input at 1 kHz)		<-70 dB		<-70 dB		
Output Slew Rate		2 V/µS		2 V/µS		
TEDS Compliant		Yes		Yes		
<b>Environmental</b>						
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		
<b>Electrical</b>						
Excitation Voltage		20 to 32 VDC		20 to 32 VDC		
Constant Current Excitation		2 to 20 mA		2 to 20 mA		
Impedance(Input)		2x10 <sup>10</sup> Ohm		2x10 <sup>10</sup> Ohm		
Capacitance(Input)		0.15 pF		0.15 pF		
Output Bias Voltage		10 to 14 VDC		10 to 14 VDC		
Impedance(Output)		<50 Ohm		<50 Ohm		
Output Voltage		± 8 V		± 8 V		
<b>Physical</b>						
Housing Material		Stainless Steel		Stainless Steel		
Size (Diameter x Length)		0.25 in x 1.2 in		6.4 mm x 29.5 mm		
Weight		0.13 oz		3.6 gm		
Electrical Connector		10-32 Coaxial Jack		10-32 Coaxial Jack		
Mounting Thread(Microphone to Preampifier)		0.2244 - 60 UNS		5.7 mm - 60 UNS		
<b>NOTES:</b> [1]Typical. [2]Measured with an 18 pF reference microphone. [3]Measured with a 6 pF reference microphone. [4]TEDS Capable Digital Memory and Communication, compliant with IEEE P1451.4, uses DS2431. [5]See PCB Declaration of Conformance PS076 for details.						
<b>SUPPLIED ACCESSORIES:</b> Model ERC-16 Calibration of microphone preamplifier (1)						
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