

Model Number 426A05		MICROPHONE PREAMPLIFIER			Revision: A ECN #: 42966	
Performance		ENGLISH	SI	OPTIONAL VERSIONS		
Nominal Microphone Diameter		1/4"	1/4"	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		-0.19 dB	-0.19 dB	[1][2]		
Frequency Response(± 0.1 dB)(re 1 kHz)		5 to 126,000 Hz	5 to 126,000 Hz			
Frequency Response(± 0.2 dB)(re 1 kHz)		3.2 to 126,000 Hz	3.2 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)		<3.2 µV	<3.2 µV	[2]		
Electrical Noise(A-weight)		1.9 µV	1.9 µV	[1][2]		
Electrical Noise(Flat 20 Hz to 20 kHz)		<5.6 µV	<5.6 µV	[2]		
Electrical Noise(Flat 20 Hz to 20 kHz)		3.4 µV	3.4 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]		
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			
Impedance(Input)		2x10 ¹⁰ Ohm	2x10 ¹⁰ Ohm	[1]		
Capacitance(Input)		0.15 pF	0.15 pF	[1]		
Output Bias Voltage		10 to 14 VDC	10 to 14 VDC			
Impedance(Output)		<50 Ohm	<50 Ohm			
Output Voltage(Maximum)		± 8 V	± 8 V	[1]		
Physical						
Housing Material		Stainless Steel	Stainless Steel			
Size (Diameter x Length)		0.25 in x 1.74 in	6.4 mm x 44.2 mm			
Weight		0.21 oz	6 gm			
Electrical Connector		10-32 Coaxial Jack	10-32 Coaxial Jack			
Mounting Thread(Microphone to Preamplifier)		0.2244 - 60 UNS	5.7 mm - 60 UNS			
CE [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.						
Entered: AP Engineer: MT Sales: MV Approved: MT Spec Number:						
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