

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Nominal Microphone Diameter	1/2"	1/2"	
Gain	-0.20 dB	-0.20 dB	[1][2]
Frequency Response(± 0.2 dB)(re 1 kHz)	10 to 126,000 Hz	10 to 126,000 Hz	
Frequency Response(-3 dB)(re 1 kHz)	<0.6 Hz	<0.6 Hz	
Phase Linearity(<1 °)	63 to 20,000 Hz	63 to 20,000 Hz	
Electrical Noise(A-weight)	<3 µV	<3 µV	[2]
Electrical Noise(A-weight)	2.1 µV	2.1 µV	[1][2]
Electrical Noise(Flat 20 Hz to 20 kHz)	<6 µV	<6 µV	[2]
Electrical Noise(Flat 20 Hz to 20 kHz)	3.5 µV	3.5 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)	0.2 pF	0.2 pF	[1]
Output Bias Voltage	10 to 14 VDC	10 to 14 VDC	
Impedance(Output)	<50 Ohm	<50 Ohm	
Output Voltage	± 8 V	± 8 V	[1]
Physical			
Housing Material	Stainless Steel	Stainless Steel	
Size (Diameter x Length)	0.5 in x 1.4 in	12.7 mm x 35.7 mm	
Weight	0.13 oz	3.6 gm	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Mounting Thread(Microphone to Preamplifier)	0.4606 - 60 UNS	11.7 mm - 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]TEDS Capable Digital Memory and Communication, compliant with IEEE P1451.4, uses DS2431.
 [4]See PCB Declaration of Conformance PS076 for details.

SUPPLIED ACCESSORIES:
 Model ERC-16 Calibration of microphone preamplifier (1)

Entered: AP	Engineer: AK	Sales: MV	Approved: JWH	Spec Number:
Date: 12/10/2014	Date: 12/10/2014	Date: 12/10/2014	Date: 12/10/2014	56897



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