

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Nominal Microphone Diameter	1/2"	1/2"	
Gain	-0.1 dB	-0.1 dB	[1][2]
Frequency Response(± 0.1 dB)(re 1 kHz)	80 to 125,000 Hz	80 to 125,000 Hz	
Frequency Response(-3 dB)(re 1 kHz)	<10 Hz	<10 Hz	
Phase Linearity(<1 °)	500 to 20,000 Hz	500 to 20,000 Hz	
Phase Linearity(-1 to +10 °)	50 to 500 Hz	50 to 500 Hz	
Electrical Noise(A-weight)	<3.6 µV	<3.6 µV	[2]
Electrical Noise(A-weight)	2.6 µV	2.6 µV	[2][1]
Electrical Noise(Flat 20 Hz to 20 kHz)	<11.2 µV	<11.2 µV	[2]
Electrical Noise(Flat 20 Hz to 20 kHz)	7.8 µV	7.8 µV	[2][1]
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 +176 °F	-40 to +80 °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			
Excitation Voltage	20 to 32 VDC	20 to 32 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Impedance(Input)	2 GOhm	2 GOhm	[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(Maximum)	± 7 Vpk	± 7 Vpk	
Physical			
Housing Material	Stainless Steel	Stainless Steel	
Size (Diameter x Length)	0.5 in x 3.18 in	12.7 mm x 80.7 mm	
Weight	1.34 oz	38 g	[1]
Electrical Connector	BNC Jack	BNC 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
 [4] See PCB Declaration of Conformance PS073 for details.

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

Entered: AP	Engineer: MT	Sales: MV	Approved: MT	Spec Number:
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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.*

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