

Performance	ENGLISH	SI	
Nominal Microphone Diameter	1/4"	1/4"	
Gain	-0.08 dB	-0.08 dB	[1][2]
Frequency Response (±0.1 dB) (re 1 kHz)	5 to 126000 Hz	5 to 126000 Hz	
Frequency Response (±0.2 dB) (re 1 kHz)	3.2 to 126000 Hz	3.2 to 126000 Hz	
Frequency Response (-3 dB) (re 1 kHz)	<0.7 Hz	<0.7 Hz	
Phase Linearity (<1 °)	63 to 20000 Hz	63 to 20000 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]
<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	[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]
<b>Physical</b>			
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	

**Optional Versions** (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe 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 PS076 for details.

**Supplied Accessories**  
ERC-16 Calibration of microphone preamplifier (1)



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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