

Performance	ENGLISH	SI	
Nominal Microphone Diameter	1/4"	1/4"	
Frequency Response Characteristic	Pressure	Pressure	
Open Circuit Sensitivity (at 250 Hz)	0.25 mV/Pa	0.25 mV/Pa	
Open Circuit Sensitivity (±3 dB) (at 250 Hz)	-72 dB re 1 V/Pa	-72 dB re 1 V/Pa	
Frequency Range (±2 dB)	4 to 20000 Hz	4 to 20000 Hz	
Lower Limiting Frequency (-3 dB)	0.5 to 3 Hz	0.5 to 3 Hz	
Resonant Frequency (90° Phase Shift)	48.9 kHz	48.9 kHz	[1]
Dynamic Range (3% Distortion Limit) (Microphone only)	>178 dB re 20 µPa	>178 dB re 20 µPa	[3]
Inherent Noise (Microphone only)	<68 dB(A) re 20 µPa	<68 dB(A) re 20 µPa	
<b>Environmental</b>			
Temperature Range (Operating)	-40 to +248 °F	-40 to +120 °C	
Temperature Coefficient of Sensitivity (+14 to +158°F (-10 to +70°C))	0.004 dB/°F	0.008 dB/°C	[1]
Influence of Axial Vibration (0.1g (1 m/s <sup>2</sup> ))	72 dB re 20 µPa	72 dB re 20 µPa	[1]
<b>Electrical</b>			
Capacitance (Polarized)	4.6 pF	4.6 pF	[1]
Polarization Voltage	0 V	0 V	[2]
<b>Physical</b>			
Housing Material	Stainless Alloy	Stainless Alloy	
Venting	Rear	Rear	
Mounting Thread (Pre-amplifier)	0.2244 - 60 UNS	5.7 mm - 60 UNS	
Mounting Thread (Grid)	0.25 - 60 UNS	6.35 mm - 60 UNS	
Size (Diameter) (with grid)	0.28 in	7.0 mm	
Size (Diameter) (without grid)	0.25 in	6.4 mm	
Size (Height) (with grid)	0.41 in	10.4 mm	
Size (Height) (without grid)	0.36 in	9.1 mm	
Weight	0.06 oz	1.7 gm	[1]

**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] Pre-polarized  
 [3] Based on minimum 12 VDC bias voltage and 24 VDC excitation voltage.

**Supplied Accessories**  
 ACS-20 Calibration of Precision Condenser Microphones (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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