

Performance	ENGLISH	SI	
Nominal Microphone Diameter	1/2"	1/2"	
Frequency Response Characteristic(at 0° incidence)	Free-Field	Free-Field	
Open Circuit Sensitivity(± 2.0 dB)	- 26 dB re 1 V/Pa	- 26 dB re 1 V/Pa	[1]
Open Circuit Sensitivity	50 mV/Pa	50 mV/Pa	[1]
Frequency Range(± 3.3 dB)	4 to 20,000 Hz	4 to 20,000 Hz	
Frequency Range(± 2 dB)	8 to 4,000 Hz	8 to 4,000 Hz	
Lower Limiting Frequency(- 3 dB)	1.0 to 4.0 Hz	1.0 to 4.0 Hz	
Resonant Frequency(90° Phase Shift)	10,400 Hz	10,400 Hz	[2]
Inherent Noise	16 dB(A) re 20 µPa	16 dB(A) re 20 µPa	[2]
Dynamic Range(3% Distortion Limit)	146 dB re 20 µPa	146 dB re 20 µPa	[2]
Environmental			
Temperature Range(Operating)	-40 to +212 °F	-40 to +100 °C	
Temperature Coefficient of Sensitivity(+14 to +122°F (-10 to +50°C))	0.008 dB/°F	0.014 dB/°C	[2][1]
Static Pressure Coefficient	- 0.013 dB/kPa	- 0.013 dB/kPa	[2][1]
Humidity Coefficient of Sensitivity(0 to 100% non-condensing)	± 0.002 dB/%RH	± 0.002 dB/%RH	[1]
Influence of Axial Vibration(0.1g (1 m/s ²))	63 dB re 20 µPa	63 dB re 20 µPa	[2]
Electrical			
Capacitance(Polarized)	12 pF	12 pF	[2]
Polarization Voltage	0 V	0 V	[3]
Physical			
Housing Material	Stainless Alloy	Stainless Alloy	
Venting	Rear	Rear	
Mounting Thread(Preamplifier)	0.4606 - 60 UNS	11.7 mm - 60 UNS	
Mounting Thread(Grid)	0.5 - 60 UNS	12.7 mm - 60 UNS	
Size (Diameter x Height)(with grid)	0.52 in x 0.64 in	13.2 mm x 16.2 mm	
Size (Diameter x Height)(without grid)	0.5 in x 0.6 in	12.7 mm x 15.3 mm	
Weight	0.28 oz	7.8 gm	[2]

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]re 250 Hz
 [2]Typical.
 [3]Prepolarized
 [4]See PCB Declaration of Conformance PS167 for details.

SUPPLIED ACCESSORIES:
 Model ACS-20 Calibration of Precision Condensor Microphones (1)



Entered: LK	Engineer: MJN	Sales: ADS	Approved: NJF	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.
 This model, designated with an RH prefix, is RoHS compliant. For further details, and to obtain PCB's RoHS Statement of Conformance, please visit <http://www.pcb.com>