

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Nominal Microphone Diameter	1/4"	1/4"	
Frequency Response Characteristic	Pressure	Pressure	
Open Circuit Sensitivity	0.25 mV/Pa	0.25 mV/Pa	[3]
Open Circuit Sensitivity(± 3 dB)	-72 dB re 1 V/Pa	-72 dB re 1 V/Pa	[3]
Frequency Range(± 2 dB)	4 to 20,000 Hz	4 to 20,000 Hz	
Lower Limiting Frequency(-3 dB)	0.5 to 3.0 Hz	0.5 to 3.0 Hz	
Resonant Frequency(90° Phase Shift)	48,900 Hz	48,900 Hz	[1]
Inherent Noise	<65 dB(A) re 20 µPa	<65 dB(A) re 20 µPa	
Dynamic Range(3% Distortion Limit)	>178 dB re 20 µPa	>178 dB re 20 µPa	
Maximum Sound Pressure Level(Peak)	194 dB re 20 µPa	194 dB re 20 µPa	
Environmental			
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	0.007 dB/°C	[1][3]
Static Pressure Coefficient	-0.001 dB/kPa	-0.001 dB/kPa	[1][3]
Humidity Coefficient of Sensitivity(0 to 100%, non-condensing)	± 0.001 dB/%RH	± 0.001 dB/%RH	[3]
Influence of Axial Vibration(0.1g (1 m/s ²))	72 dB re 20 µPa	72 dB re 20 µPa	[1]
Electrical			
Capacitance(Polarized)	4.6 pF	4.6 pF	[1]
Polarization Voltage	0 V	0 V	[2]
Physical			
Housing Material	Stainless Alloy	Stainless Alloy	
Venting	Rear	Rear	
Mounting Thread(Preamplifier)	0.2244 - 60 UNS	5.7 mm - 60 UNS	
Mounting Thread(Grid)	0.25 - 60 UNS	6.35 mm - 60 UNS	
Size (Diameter x Height)(with grid)	0.28 in x 0.41 in	7.0 mm x 10.4 mm	
Size (Diameter x Height)(without grid)	0.25 in x 0.36 in	6.4 mm x 9.1 mm	
Weight	0.06 oz	1.7 gm	[1]
<i>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.</i>			
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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] Prepolarized
 [3] re 250 Hz

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

Entered: AP	Engineer: MJN	Sales: MV	Approved: MT	Spec Number:
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	Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com
3425 Walden Avenue, Depew, NY 14043	