

	<u>ENGLISH</u>	<u>SI</u>	
Performance	1/2"	1/2"	
Nominal Microphone Diameter	Free-Field	Free-Field	
Frequency Response Characteristic(at 0° incidence)	50 mV/Pa	50 mV/Pa	[3]
Open Circuit Sensitivity	-26 dB re 1 V/Pa	-26 dB re 1 V/Pa	[3]
Open Circuit Sensitivity(± 1.5 dB)	5 to 10,000 Hz	5 to 10,000 Hz	
Frequency Range(± 1 dB)	3.15 to 20,000 Hz	3.15 to 20,000 Hz	
Frequency Range(± 2 dB)	1.0 to 2.4 Hz	1.0 to 2.4 Hz	
Lower Limiting Frequency(-3 dB)	10,400 Hz	10,400 Hz	[1]
Resonant Frequency(90° Phase Shift)	<15 dB(A) re 20 µPa	<15 dB(A) re 20 µPa	
Inherent Noise	>146 dB re 20 µPa	>146 dB re 20 µPa	
Dynamic Range(3% Distortion Limit)	WS2F	WS2F	
Standards Designation(IEC 61094-4)	Environmental		
Environmental			
Temperature Range(Operating)	-40 to +302 °F	-40 to +150 °C	
Temperature Coefficient of Sensitivity(+14 to +122°F (-10 to +50°C))	0.005 dB/°F	0.009 dB/°C	[1][3]
Static Pressure Coefficient	-0.013 dB/kPa	-0.013 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))	63 dB re 20 µPa	63 dB re 20 µPa	[1]
Long Term Stability(150°C (302°F))	>2 hrs/dB	>2 hrs/dB	
Electrical			
Capacitance(Polarized)	12 pF	12 pF	[1]
Polarization Voltage	0 V	0 V	[2]
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	[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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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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