

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Nominal Microphone Diameter	1/2"	1/2"	
Frequency Response Characteristic(at 0° incidence)	Free-Field	Free-Field	
Open Circuit Sensitivity(at 250 Hz)	44.5 mV/Pa	44.5 mV/Pa	
Open Circuit Sensitivity(± 1.2 dB)(at 250 Hz)	-27 dB re 1 V/Pa	-27 dB re 1 V/Pa	
Frequency Range(± 2 dB)	3.15 to 20,000 Hz	3.15 to 20,000 Hz	
Frequency Range(-3 dB)	2 Hz	2 Hz	
Resonant Frequency(90° Phase Shift)	14,000 Hz	14,000 Hz	[1]
Dynamic Range(3% Distortion Limit)	>146 dB re 20 µPa	>146 dB re 20 µPa	
Dynamic Range(Cartridge Thermal Noise)	<15 dB(A) re 20 µPa	<15 dB(A) re 20 µPa	[1]
Standards Designation(IEC 61094-4)	WS2F	WS2F	
Environmental			
Temperature Range(Operating)	-40 to +302 °F	-40 to +150 °C	
Temperature Coefficient of Sensitivity(+14 to +122°F (-10 to +50°C))	0.0033 dB/°F	0.006 dB/°C	[1]
Static Pressure Coefficient	-0.01 dB/kPa	-0.01 dB/kPa	[1]
Influence of Humidity(0 to 95%, non-condensing)	-0.1 to 0.1 dB	-0.1 to 0.1 dB	
Influence of Axial Vibration(0.1g (1 m/s ²))	62 dB re 20 µPa	62 dB re 20 µPa	[1]
Influence of Magnetic Field(60 Hz, 80 A/m)	0 dB re 20 µPa	0 dB re 20 µPa	[1]
Long Term Stability(68°F (20°C))	>1000 years/dB	>1000 years/dB	
Electrical			
Capacitance(Polarized)	15 pF	15 pF	[1]
Polarization Voltage	200 V	200 V	
Physical			
Housing Material	Stainless Alloy	Stainless Alloy	
Venting	Rear	Rear	
Equivalent Volume (at 250 Hz)	0.0027	45 mm ³	[1]
Size (Diameter x Height)(with grid)	0.52 in x 0.64 in	13.2 mm x 16.3 mm	
Size (Diameter x Height)(without grid)	0.5 in x 0.61 in	12.7 mm x 15.5 mm	
Weight	0.32 oz	9 gm	[1]
<i>All specifications are at room temperature unless otherwise specified.</i>			
<i>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.

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

Entered: AP	Engineer: MT	Sales: MV	Approved: MT	Spec Number:
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