

Model Number <b>377C20</b>	<b>PRECISION CONDENSER MICROPHONE</b>	Revision: B ECN #: 47338
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	<u>ENGLISH</u>	<u>SI</u>	
<b>Performance</b>			
Nominal Microphone Diameter	1/2"	1/2"	
Frequency Response Characteristic	Random Incidence	Random Incidence	
Open Circuit Sensitivity	50 mV/Pa	50 mV/Pa	[3]
Open Circuit Sensitivity(± 1.5 dB)	-26 dB re 1 V/Pa	-26 dB re 1 V/Pa	[3]
Frequency Range(± 2 dB)	3.15 to 16,000 Hz	3.15 to 16,000 Hz	
Frequency Range(± 1 dB)	5 to 6300 Hz	5 to 6300 Hz	
Lower Limiting Frequency(-3 dB)	1.0 to 2.4 Hz	1.0 to 2.4 Hz	
Resonant Frequency(90° Phase Shift)	12 kHz	12 kHz	[1]
Inherent Noise	14 dB(A) re 20 μPa	14 dB(A) re 20 μPa	[1]
Dynamic Range(3% Distortion Limit)	146 dB re 20 μPa	146 dB re 20 μPa	[1]
Standards Designation(IEC 61094-4)	WS2D	WS2D	
<b>Environmental</b>			
Temperature Range(Operating)	-40 to +248 °F	-40 to +120 °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	-0.01 dB/kPa	-0.01 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 <sup>2</sup> ))	63 dB re 20 μPa	63 dB re 20 μPa	[1]
<b>Electrical</b>			
Capacitance(Polarized)	11 pF	11 pF	[1]
Polarization Voltage	0 V	0 V	[2]
<b>Physical</b>			
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]

**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  
 [4] See PCB Declaration of Conformance PS167 for details.

**SUPPLIED ACCESSORIES:**

Model ACS-20 Calibration of Precision Condenser Microphones (1)

Entered: LK	Engineer: MT	Sales: MV	Approved: MT	Spec Number:
Date: 10/19/2017	Date: 10/19/2017	Date: 10/19/2017	Date: 10/19/2017	<b>58702</b>



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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3425 Walden Avenue, Depew, NY 14043

**Phone: 716-684-0001**  
**Fax: 716-684-0987**  
**E-Mail: info@pcb.com**