


Model Number 377C13	PRECISION CONDENSER MICROPHONE			Revision: NR ECN #: 46329		
Performance	<u>ENGLISH</u>	<u>SI</u>	OPTIONAL VERSIONS			
Nominal Microphone Diameter	1/2"	1/2"	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.			
Frequency Response Characteristic	Pressure	Pressure				
Open Circuit Sensitivity(± 2 dB)	-38.0 dB re 1 V/Pa	-38.0 dB re 1 V/Pa [3]				
Open Circuit Sensitivity	12.6 mV/Pa	12.6 mV/Pa [3]				
Frequency Range(± 1 dB)	4 to 12,500 Hz	4 to 12,500 Hz				
Frequency Range(± 2 dB)	3.15 to 20,000 Hz	3.15 to 20,000 Hz				
Lower Limiting Frequency(-3 dB)	1.0 to 2.4 Hz	1.0 to 2.4 Hz				
Resonant Frequency(90° Phase Shift)	19 kHz	19 kHz [1]				
Inherent Noise	18 dB(A) re 20 µPa	18 dB(A) re 20 µPa [1]				
Dynamic Range(3% Distortion Limit)	162 dB re 20 µPa	162 dB re 20 µPa [1]				
Standards Designation(IEC 61094-4)	WS2P	WS2P	NOTES: [1] Typical. [2] Prepolarized [3] re 250 Hz			
Environmental						
Temperature Range(Operating)	-40 to +248 °F	-40 to +120 °C				
Temperature Coefficient of Sensitivity(+14 to +122°F (-10 to +50°C))	0.004 dB/°F	0.008 dB/°C [1][3]				
Static Pressure Coefficient	-0.006 dB/kPa	-0.006 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))	66 dB re 20 µPa	66 dB re 20 µPa [1]				
Electrical						
Capacitance(Polarized)	14 pF	14 pF [1]				
Polarization Voltage	0 V	0 V [2]				
Physical			SUPPLIED ACCESSORIES: Model ACS-20 Calibration of Precision Condensator Microphones (1)			
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 0.48 in	13.2 mm x 12.3 mm				
Size (Diameter x Height)(without grid)	0.5 in x 0.46 in	12.7 mm x 11.8 mm				
Weight	0.23 oz	6.5 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. ICP® is a registered trademark of PCB Group, Inc.</i>					 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com	
					Entered: LK	Engineer: MT
			Sales: MV	Approved: MT		
			Date: 1/10/2017	Date: 1/10/2017		
			Date: 1/10/2017	Date: 1/10/2017		
			66368			



Represented in India by

Structural Solutions Pvt Ltd. | Phone: 040 2322 2380 | Email: sales@stsols.com

#4th Floor, Sudheer Tapani Towers, Himayath Nagar, Hyderabad - 500 029