

Model Number 377A15	PRECISION CONDENSER MICROPHONE				Revision: A ECN #: 47338
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Nominal Microphone Diameter		1"	1"	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		50 mV/Pa	50 mV/Pa		
Open Circuit Sensitivity(+/-2 dB)		-26 dB re 1 V/Pa	-26 dB re 1 V/Pa		
Frequency Range(+/-2 dB)		5 to 8000 Hz	5 to 8000 Hz		
Lower Limiting Frequency		1 to 3 Hz	1 to 3 Hz		
Resonant Frequency(90° Phase Shift)		8.6 kHz	8.6 kHz		
Inherent Noise		10 dB(A) re 20 µPa	10 dB(A) re 20 µPa		
Inherent Noise		<11.5 dB(A) re 20 µPa	<11.5 dB(A) re 20 µPa		
Dynamic Range(3% Distortion Limit)		>150 dB re 20 µPa	>150 dB re 20 µPa		
Standards Designation(IEC 61094-4)		WS1P	WS1P	NOTES: [1] Typical. [2] Prepolarized [3] re 250 Hz [4] See PCB Declaration of Conformance PS167 for details.	
Environmental					
Temperature Range(Operating)		-40 to +248 °F	-40 to +120 °C		
Temperature Coefficient of Sensitivity(+14 to +122°F (-10 to +50°C))		+0.006 dB/°F	+0.01 dB/°C		
Static Pressure Coefficient		-0.012 dB/kPa	-0.012 dB/kPa		
Humidity Coefficient of Sensitivity(0 to 100%, non-condensing)		+/-0.001 dB/%RH	+/-0.001 dB/%RH		
Influence of Axial Vibration(0.1g (1 m/s²))		66.5 dB re 20 µPa	66.5 dB re 20 µPa		
Electrical					
Capacitance		45 pF	45 pF		
Polarization Voltage		0 V	0 V		
Physical				SUPPLIED ACCESSORIES: Model ACS-20 Calibration of Precision Condensor Microphones (1)	
Housing Material		Stainless Alloy	Stainless Alloy		
Venting		Rear	Rear		
Mounting Thread(Preamplifier)		0.9098-60 UNS	23.11mm-60 UNS		
Mounting Thread(Grid)		0.9098-60 UNS	23.11mm-60 UNS		
Size (Diameter x Height)(with grid)		0.936 in x 0.748 in	23.77 mm x 19 mm		
Size (Diameter x Height)(without grid)		0.936 in x 0.668 in	23.77 mm x 17 mm		
Weight		1.08 oz	30.6 gm		
 [4]					
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.				 3425 Walden Avenue, Depew, NY 14043 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com	
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Date: 10/17/2017		Date: 10/17/2017		Date: 10/17/2017	Date: 10/17/2017
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