

Model Number 377A07	PRECISION CONDENSER MICROPHONE				Revision: B ECN #: 47338
Performance		ENGLISH	SI	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(at 0° incidence)		Free-Field	Free-Field		
Open Circuit Sensitivity		50 mV/Pa	50 mV/Pa		
Open Circuit Sensitivity(± 1.5 dB)		-26 dB re 1 V/Pa	-26 dB re 1 V/Pa		
Frequency Range(± 2 dB)		0.07 to 20,000 Hz	0.07 to 20,000 Hz		
Frequency Range(± 1 dB)		0.1 to 10,000 Hz	0.1 to 10,000 Hz		
Lower Limiting Frequency(-3 dB)		0.01 to 0.05 Hz	0.01 to 0.05 Hz		
Resonant Frequency(90° Phase Shift)		10.4 kHz	10.4 kHz		
Inherent Noise		15 dB(A) re 20 µPa	15 dB(A) re 20 µPa		
Dynamic Range(3% Distortion Limit)		147 dB re 20 µPa	147 dB re 20 µPa		
Standards Designation(IEC 61094-4)		WS2F	WS2F	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))		0.005 dB/°F	0.009 dB/°C		
Static Pressure Coefficient		-0.01 dB/kPa	-0.01 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))		63 dB re 20 µPa	63 dB re 20 µPa		
Electrical					
Capacitance(Polarized)		12 pF	12 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)		0.4606 - 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		
 [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.				Entered: LK	Engineer: MT
				Sales: MV	Approved: MT
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				Date: 10/20/2017	Date: 10/20/2017
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