


Model Number 377A21	PRECISION CONDENSER MICROPHONE		Revision: B ECN #: 45005
Performance	ENGLISH	SI	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.
Nominal Microphone Diameter	1/2"	1/2"	
Frequency Response Characteristic(at 0° incidence)	Random Incidence	Random Incidence	NOTES: [1] Typical. [2] Prepolarized [3] re 250 Hz
Open Circuit Sensitivity(at 250 Hz)	12.6 mV/Pa	12.6 mV/Pa [3]	
Open Circuit Sensitivity(± 2 dB)(at 250 Hz)	-38 dB re 1 V/Pa	-38 dB re 1 V/Pa [3]	
Frequency Range(± 2 dB)	4 to 25,000 Hz	4 to 25,000 Hz	
Lower Limiting Frequency(-3 dB)	1 to 2.4 Hz	1 to 2.4 Hz	
Resonant Frequency(90° Phase Shift)	21,800 kHz	21,800 kHz [1]	
Inherent Noise	20 dB(A) re 20 µPa	20 dB(A) re 20 µPa [1]	
Dynamic Range(3% Distortion Limit)	162 dB re 20 µPa	162 dB re 20 µPa [3][1]	
Environmental			
Temperature Range(Operating)	-40 to +248 °F	-40 to +120 °C [1][3]	
Temperature Coefficient of Sensitivity(+14 to +122°F (-10 to +50°C))	.003 dB/°F	.006 dB/°C [1][3]	
Static Pressure Coefficient	-.004 dB/kPa	-.004 dB/kPa [1][3]	
Humidity Coefficient of Sensitivity(0 to 100%, non-condensing)	± .002 dB/%RH	± .002 dB/%RH [1][3]	
Influence of Axial Vibration(0.1g (1 m/s ²))	67 dB re 20 µPa	67 dB re 20 µPa [1]	
Electrical			
Capacitance(Polarized)	14 pF	14 pF [1]	
Polarization Voltage	0 V	0 V [2]	
Physical			
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 0.50 in	13.2 mm x 12.7 mm	
Size (Diameter x Height)(without grid)	0.50 in x 0.46 in	12.7 mm x 11.8 mm	
Weight	0.23 oz	6.5 gm [1]	
<p><i>All specifications are at room temperature unless otherwise specified.</i></p> <p><i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i></p> <p>ICP® is a registered trademark of PCB Group, Inc.</p>			
			<p>SUPPLIED ACCESSORIES: Model ACS-20 Calibration of Precision Condensator Microphones (1)</p> <p>Entered: LK Engineer: MT Sales: MV Approved: MT Spec Number: Date: 10/13/2016 Date: 10/13/2016 Date: 10/13/2016 Date: 10/13/2016 37266</p> <p> Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com</p> <p>3425 Walden Avenue, Depew, NY 14043</p>



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