

Model Number 377A21	PRECISION CONDENSER MICROPHONE			Revision: B ECN #: 45005	
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)	Random Incidence	Random Incidence			
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			NOTES:		
Temperature Range(Operating)	-40 to +248 °F	-40 to +120 °C	[1] Typical.		
Temperature Coefficient of Sensitivity(+14 to +122°F (-10 to +50°C))	.003 dB/°F	.006 dB/°C	[2] Prepolarized		
Static Pressure Coefficient	-.004 dB/kPa	-.004 dB/kPa	[3] re 250 Hz		
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/s²))	67 dB re 20 μPa	67 dB re 20 μPa	[1]		
Electrical			SUPPLIED ACCESSORIES: Model ACS-20 Calibration of Precision Condensor Microphones (1) 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		
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]		
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		



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