

Model Number 377A06	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(at 250 Hz)		12.6 mV/Pa	12.6 mV/Pa		
Open Circuit Sensitivity(± 2 dB)(at 250 Hz)		-38 dB re 1 V/Pa	-38 dB re 1 V/Pa		
Frequency Range(± 3 dB)		3.15 to 40,000 Hz	3.15 to 40,000 Hz		
Frequency Range(± 2 dB)		3.15 to 31,500 Hz	3.15 to 31,500 Hz		
Frequency Range(± 1 dB)		5 to 16,000 Hz	5 to 16,000 Hz		
Lower Limiting Frequency(-3 dB)		1 to 2.4 Hz	1 to 2.4 Hz		
Resonant Frequency(90° Phase Shift)		29 kHz	29 kHz		
Inherent Noise		20 dB(A)	20 dB(A)		
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 +158°F (-10 to +70°C))		0.003 dB/°F	0.006 dB/°C	[2] Prepolarized	
Static Pressure Coefficient		-0.007 dB/kPa	-0.007 dB/kPa	[3] re 250 Hz	
Humidity Coefficient of Sensitivity(0 to 100%, non-condensing)		± 0.002 dB/%RH	± 0.002 dB/%RH	[4] See PCB Declaration of Conformance PS167 for details.	
Influence of Axial Vibration(0.1g (1 m/s²))		66 dB re 20 µPa	66 dB re 20 µPa	[1]	
Electrical				SUPPLIED ACCESSORIES: Model ACS-20 Calibration of Precision Condensor Microphones (1)	
Capacitance(Polarized)		14 pF	14 pF		
Polarization Voltage		0 V	0 V		
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]	
				 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com	
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.					
				Entered: LK	Engineer: MT
				Sales: MV	Approved: MT
				Date: 10/20/2017	Date: 10/20/2017
				Date: 10/20/2017	Date: 10/20/2017
				Spec Number:	
				58152	