


Model Number 377A06	PRECISION CONDENSER MICROPHONE			Revision: A 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)	Free-Field	Free-Field		
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(± 1 dB)	5 to 16,000 Hz	5 to 16,000 Hz		
Frequency Range(± 2 dB)	3.15 to 31,500 Hz	3.15 to 31,500 Hz		
Frequency Range(± 3 dB)	3.15 to 40,000 Hz	3.15 to 40,000 Hz		
Lower Limiting Frequency(-3 dB)	1 to 2.4 Hz	1 to 2.4 Hz		
Resonant Frequency(90° Phase Shift)	29,000 Hz	29,000 Hz	[1]	
Inherent Noise	20 dB(A)	20 dB(A)	[1]	
Dynamic Range(3% Distortion Limit)	162 dB re 20 µPa	162 dB re 20 µPa	[3][1]	
Environmental				NOTES: [1] Typical. [2] Prepolarized [3] re 250 Hz
Temperature Range(Operating)	-40 to +248 °F	-40 to +120 °C		
Temperature Coefficient of Sensitivity(+14 to +158°F (-10 to +70°C))	0.003 dB/°F	0.006 dB/°C	[1][3]	
Static Pressure Coefficient	-0.007 dB/kPa	-0.007 dB/kPa	[1][3]	
Humidity Coefficient of Sensitivity(0 to 100%, non-condensing)	± 0.002 dB/%RH	± 0.002 dB/%RH	[3][1]	
Influence of Axial Vibration(0.1g (1 m/s ²))	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	[1]	
Polarization Voltage	0 V	0 V	[2]	
Physical				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 58152
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. In the interest of constant product improvement, we reserve the right to change specifications without notice.</i></p>				
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