



Model Number 375A04		PRECISION CONDENSER MICROPHONE			Revision: NR ECN #: 50468		
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(± 2.0 dB)		- 26 dB re 1 V/Pa	- 26 dB re 1 V/Pa				[1]
Open Circuit Sensitivity		50 mV/Pa	50 mV/Pa				[1]
Frequency Range(± 3.3 dB)		4 to 20,000 Hz	4 to 20,000 Hz				
Frequency Range(± 2 dB)		8 to 4,000 Hz	8 to 4,000 Hz				
Lower Limiting Frequency(- 3 dB)		1.0 to 4.0 Hz	1.0 to 4.0 Hz				
Resonant Frequency(90° Phase Shift)		10,400 Hz	10,400 Hz				[2]
Inherent Noise		16 dB(A) re 20 µPa	16 dB(A) re 20 µPa				[2]
Dynamic Range(3% Distortion Limit)		146 dB re 20 µPa	146 dB re 20 µPa				[2]
Environmental							
Temperature Range(Operating)		-40 to +212 °F	-40 to +100 °C				
Temperature Coefficient of Sensitivity(+ 14 to +122°F (-10 to +50°C))		0.008 dB/°F	0.014 dB/°C	[2][1]			
Static Pressure Coefficient		- 0.013 dB/kPa	- 0.013 dB/kPa	[2][1]			
Humidity Coefficient of Sensitivity(0 to 100%, non-condensing)		± 0.002 dB/%RH	± 0.002 dB/%RH	[1]			
Influence of Axial Vibration(0.1g (1 m/s²))		63 dB re 20 µPa	63 dB re 20 µPa	[2]			
Electrical							
Capacitance(Polarized)		12 pF	12 pF	[2]			
Polarization Voltage		0 V	0 V	[3]			
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 0.64 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	[2]			
 [4]		NOTES:					
		[1]re 250 Hz					
		[2]Typical.					
		[3]Prepolarized					
		[4]See PCB Declaration of Conformance PS167 for details.					
		SUPPLIED ACCESSORIES:					
		Model ACS-20 Calibration of Precision Condensor Microphones (1)					
Entered: LK		Engineer: MJN	Sales: ADS	Approved: NJF	Spec Number:		
Date: 02/14/2020		Date: 02/14/2020	Date: 02/14/2020	Date: 02/14/2020	73000		
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. This model, designated with an RH prefix, is RoHS compliant. For further details, and to obtain PCB's RoHS Statement of Conformance, please visit http://www.pcb.com				Phone: 716-684-0001			
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				E-Mail: info@pcb.com			
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