

Model Number <b>377A12</b>	<b>PRECISION CONDENSER MICROPHONE</b>		Revision: E ECN #: 45005
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>	<b>OPTIONAL VERSIONS</b> 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	1/4"	1/4"	
Frequency Response Characteristic	Pressure	Pressure	<b>NOTES:</b> [1] Typical. [2] Prepolarized [3] re 250 Hz
Open Circuit Sensitivity	0.25 mV/Pa	0.25 mV/Pa [3]	
Open Circuit Sensitivity(± 3 dB)	-72 dB re 1 V/Pa	-72 dB re 1 V/Pa [3]	
Frequency Range(± 2 dB)	4 to 20,000 Hz	4 to 20,000 Hz	
Lower Limiting Frequency(-3 dB)	0.5 to 3.0 Hz	0.5 to 3.0 Hz	
Resonant Frequency(90° Phase Shift)	48,900 Hz	48,900 Hz [1]	
Inherent Noise	<60 dB(A) re 20 μPa	<60 dB(A) re 20 μPa	
Dynamic Range(3% Distortion Limit)	182 dB re 20 μPa	182 dB re 20 μPa [1]	
Maximum Sound Pressure Level(Peak)	>194 dB re 20 μPa	>194 dB re 20 μPa	
<b>Environmental</b>			
Temperature Range(Operating)	-40 to +248 °F	-40 to +120 °C	
Temperature Coefficient of Sensitivity(+14 to +158°F (-10 to +70°C))	0.004 dB/°F	0.007 dB/°C [1][3]	
Static Pressure Coefficient	-0.001 dB/kPa	-0.001 dB/kPa [1][3]	
Humidity Coefficient of Sensitivity(0 to 100%, non-condensing)	± 0.001 dB/%RH	± 0.001 dB/%RH [3]	
Influence of Axial Vibration(0.1g (1 m/s <sup>2</sup> ))	72 dB re 20 μPa	72 dB re 20 μPa [1]	
<b>Electrical</b>			
Capacitance(Polarized)	4.6 pF	4.6 pF [1]	
Polarization Voltage	0 V	0 V [2]	
<b>Physical</b>			
Housing Material	Stainless Alloy	Stainless Alloy	
Venting	Rear	Rear	
Mounting Thread(Preamplifier)	0.2244 - 60 UNS	5.7 mm - 60 UNS	
Mounting Thread(Grid)	0.25 - 60 UNS	6.35 mm - 60 UNS	
Size (Diameter x Height)(with grid)	0.28 in x 0.41 in	7.0 mm x 10.4 mm	
Size (Diameter x Height)(without grid)	0.25 in x 0.36 in	6.4 mm x 9.1 mm	
Weight	0.06 oz	1.7 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> <p>ICP® is a registered trademark of PCB Group, Inc.</p>			



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