

Model Number 377A21	PRECISION CONDENSER MICROPHONE			Revision: C ECN #: 47338										
Performance		ENGLISH 1/2"	SI 1/2"	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		Random Incidence	Random Incidence											
Frequency Response Characteristic(at 0° incidence)		12.6 mV/Pa	12.6 mV/Pa	[3]										
Open Circuit Sensitivity(at 250 Hz)		-38 dB re 1 V/Pa	-38 dB re 1 V/Pa	[3]										
Open Circuit Sensitivity(± 2 dB)(at 250 Hz))		4 to 25,000 Hz	4 to 25,000 Hz											
Frequency Range(± 2 dB)		1 to 2.4 Hz	1 to 2.4 Hz											
Lower Limiting Frequency(-3 dB)		21,800 kHz	21,800 kHz	[1]										
Resonant Frequency(90° Phase Shift)		20 dB(A) re 20 μPa	20 dB(A) re 20 μPa	[1]										
Inherent Noise		162 dB re 20 μPa	162 dB re 20 μPa	[3][1]										
Dynamic Range(3% Distortion Limit)														
Environmental														
Temperature Range(Operating)		-40 to +248 °F	-40 to +120 °C											
Temperature Coefficient of Sensitivity(+14 to +122°F (-10 to +50°C))		.003 dB/°F	.006 dB/°C	[1][3]										
Static Pressure Coefficient		-.004 dB/kPa	-.004 dB/kPa	[1][3]										
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														
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]										
 [4] 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.														
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