

Model Number 378A21		ICP MICROPHONE SYSTEM			Revision: C ECN #: 45005		
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		Random Incidence	Random Incidence				
Sensitivity		12.6 mV/Pa	12.6 mV/Pa				[3]
Sensitivity(± 2 dB)		-38 dB re 1 V/Pa	-38 dB re 1 V/Pa				[3]
Frequency Range(± 2 dB)		4 to 25,000 Hz	4 to 25,000 Hz				
Lower Limiting Frequency(-3 dB)		1.0 to 2.4 Hz	1.0 to 2.4 Hz				
Inherent Noise		22 dB(A) re 20 µPa	22 dB(A) re 20 µPa	[2]			
Dynamic Range(3% Distortion Limit)		150 dB re 20 µPa	150 dB re 20 µPa	[2]			
TEDS Compliant		Yes	Yes	[4]			
Environmental				NOTES: [1] Prepolarized [2] Typical. [3] re 250 Hz [4] TEDS Capable Digital Communication, compliant with IEEE 1451.4 [5] Venting through Preamp. [6] See PCB Declaration of Conformance PS064 for details.			
Temperature Range(Operating)		-40 to +176 °F	-40 to +80 °C				
Temperature Coefficient of Sensitivity(+14 to +158°F (-10 to +70°C))		0.003 dB/°F	0.006 dB/°C				[2][3]
Static Pressure Coefficient		-0.007 dB/kPa	-0.007 dB/kPa				[2][3]
Humidity Coefficient of Sensitivity(0 to 100%, non-condensing)		0.002 dB/%RH	0.002 dB/%RH				[3][2]
Influence of Axial Vibration(0.1g (1 m/s²))		67 dB re 20 µPa	67 dB re 20 µPa	[2]			
Electrical							
Polarization Voltage		0 V	0 V				[1]
Excitation Voltage		20 to 30 VDC	20 to 30 VDC				
Constant Current Excitation		2 to 20 mA	2 to 20 mA				
Output Bias Voltage		10 to 14 VDC	10 to 14 VDC				
Maximum Output Voltage		± 7 Vpk	± 7 Vpk		SUPPLIED ACCESSORIES: Model ACS-63 Calibration (with TEDS) of Precision Condenser Microphones and Preamplifiers together (mated pair). (1)		
Output Impedance		<50 Ohm	<50 Ohm				
Physical							
Housing Material		Stainless Alloy	Stainless Alloy				
Venting		Rear	Rear	[5]			
Electrical Connector		BNC Jack	BNC Jack				
Mounting Thread(Grid)		0.5 - 60 UNS	0.5 - 60 UNS				
Size (Diameter x Height)(with grid)		0.52 in x 3.47 in	13.2 mm x 88.3 mm				
Size (Diameter x Height)(without grid)		0.50 in x 3.46 in	12.7 x 87.8 mm				
Weight		1.59 oz	45 gm	[2]			
							
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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