

Model Number 378A04		ICP LOW NOISE MICROPHONE SYSTEM				Revision: A ECN #: 44966	
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			
Sensitivity		450 mV/Pa		450 mV/Pa			
Sensitivity(± 2 dB)		-7 dB re 1 V/Pa		-7 dB re 1 V/Pa		TLD - TEDS Capable of Digital Memory and Communication Compliant with IEEE 1451.4	
Frequency Range(± 2 dB)		10 to 16,000 Hz		10 to 16,000 Hz			
Frequency Range(± 4 dB)		16,000 to 20,000 Hz		16,000 to 20,000 Hz			
Lower Limiting Frequency(-3 dB)		2 to 5 Hz		2 to 5 Hz		NOTES: [1]Prepolarized [2]re 1 kHz [3]Typical. [4]In the total frequency range. [5]Below 5 kHz [6]Non-destructive [7]TEDS Capable Digital Memory and Communication, compliant with IEEE P1451.4 [8]Venting through Preamp. [9]See PCB Declaration of Conformance PS138 for details.	
Inherent Noise		5.5 dB(A) re 20 µPa		5.5 dB(A) re 20 µPa			
Inherent Noise		<6.5 dB(A) re 20 µPa		<6.5 dB(A) re 20 µPa			
Dynamic Range(3% Distortion Limit)		>80 dB re 20 µPa		>80 dB re 20 µPa			
Dynamic Range(3% Distortion Limit)		>100 dB re 20 µPa		>100 dB re 20 µPa			
Maximum Sound Pressure Level(Peak)		130 dB re 20 µPa		130 dB re 20 µPa			
TEDS Compliant		Yes		Yes			
Environmental							
Temperature Range(Operating)		+14 to +176 °F		-10 to +80 °C			
Temperature Coefficient of Sensitivity(+14 to +122°F (-10 to +50°C))		0.005 dB/°F		0.009 dB/°C			
Static Pressure Coefficient		-0.013 dB/kPa		-0.013 dB/kPa			
Humidity Coefficient of Sensitivity(0 to 100%, non-condensing)		± .001 dB/%RH		± .001 dB/%RH			
Electrical							
Polarization Voltage		0 V		0 V			
Constant Current Excitation		4 to 20 mA		4 to 20 mA			
Output Bias Voltage		12 to 16 VDC		12 to 16 VDC			
Maximum Output Voltage		± 2 Vpk		± 2 Vpk			
Output Impedance		<50 Ohm		<50 Ohm			
Physical							
Housing Material		Stainless Alloy		Stainless Alloy			
Venting		Rear		Rear			
Electrical Connector		BNC Jack		BNC Jack			
Size (Diameter x Height)(with grid)		0.52 in x 4.03 in		13.2 mm x 102.2 mm			
Size (Diameter x Height)(without grid)		0.50 in x 3.99 in		12.7 mm x 101.2 mm			
Weight		1.81 oz		51.3 gm			
 _[9]							
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.							