

Model Number 378A07	ICP INFRASOUND 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(at 0° incidence)	Free-Field	Free-Field			
Sensitivity	5.8 mV/Pa	5.8 mV/Pa			[3]
Sensitivity(± 1.5 dB)	-44.7 dB re 1 V/Pa	-44.7 dB re 1 V/Pa			[3]
Frequency Range(± 1 dB)	0.25 to 10,000 Hz	0.25 to 10,000 Hz			
Frequency Range(± 2 dB)	0.13 to 20,000 Hz	0.13 to 20,000 Hz			
Lower Limiting Frequency(-3 dB)	<0.1 Hz	<0.1 Hz			
Inherent Noise	20 dB(A) re 20 µPa	20 dB(A) re 20 µPa			[2]
Dynamic Range(3% Distortion Limit)	136 dB re 20 µPa	136 dB re 20 µPa			[2]
TEDS Compliant	Yes	Yes			[4]
Environmental			NOTES:		
Temperature Range(Operating)	-40 to +176 °F	-40 to +80 °C	[1] Prepolarized		
Temperature Coefficient of Sensitivity(+14 to +158°F (-10 to +70°C))	0.005 dB/°F	0.009 dB/°C	[2] Typical.		
Static Pressure Coefficient	-0.01 dB/kPa	-0.01 dB/kPa	[3] re 250 Hz		
Humidity Coefficient of Sensitivity(0 to 100%, non-condensing)	± 0.001 dB/%RH	± 0.001 dB/%RH	[4] TEDS Capable Digital Memory and Communication, compliant with IEEE 1451.4		
Influence of Axial Vibration(0.1g (1 m/s²))	63 dB re 20 µPa	63 dB re 20 µPa	[5] See PCB Declaration of Conformance PS064 for details.		
Electrical			SUPPLIED ACCESSORIES: Model 079A43 Low-Frequency Adaptor (1) Model ACS-63 Calibration (with TEDS) of Precision Condenser Microphones and Preamplifiers together (mated pair). (1)		
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			
Output Impedance	<50 Ohm	<50 Ohm			
Physical					
Housing Material	Stainless Alloy	Stainless Alloy			
Venting	Rear	Rear			
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 4.29 in	13.2 mm x 109.0 mm			
Size (Diameter x Height)(without grid)	0.50 in x 4.25 in	12.7 mm x 108.0 mm			
Weight	1.63 oz	45.8 gm	[2]		
<div>CE</div> <div>[5]</div> <div>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.</div>					
<div>Entered: LK      Engineer: MT      Sales: MV      Approved: MT      Spec Number:</div> <div>Date: 10/13/2016    Date: 10/13/2016    Date: 10/13/2016    Date: 10/13/2016    59960</div> <div><div>PCB PIEZOTRONICS</div><div>3425 Walden Avenue, Depew, NY 14043</div></div> <div>Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com</div>					



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