

Model Number 378A06	ICP MICROPHONE SYSTEM				Revision: D ECN #: 47338
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		Free-Field	Free-Field		
Sensitivity		12.6 mV/Pa	12.6 mV/Pa		
Sensitivity(± 2 dB)		-38 dB re 1 V/Pa	-38 dB re 1 V/Pa		
Frequency Range(± 3 dB)		3.15 to 40,000 Hz	3.15 to 40,000 Hz		
Frequency Range(± 2 dB)		3.15 to 31,500 Hz	3.15 to 31,500 Hz		
Frequency Range(± 1 dB)		5 to 16,000 Hz	5 to 16,000 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		
Dynamic Range(3% Distortion Limit)		150 dB re 20 µPa	150 dB re 20 µPa		
TEDS Compliant		Yes	Yes	NOTES: [1] Prepolarized [2] Typical. [3] re 250 Hz [4] TEDS Capable Digital Memory and Communication, compliant with IEEE 1451.4 [5] Venting through Preamp. [6] See PCB Declaration of Conformance PS064 for details.	
Environmental					
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		
Static Pressure Coefficient		-.007 dB/kPa	-.007 dB/kPa		
Humidity Coefficient of Sensitivity(0 to 100%, non-condensing)		0.002 dB/%RH	0.002 dB/%RH		
Influence of Axial Vibration(0.1g (1 m/s²))		66 dB re 20 µPa	66 dB re 20 µPa		
Electrical					
Polarization Voltage		0 V	0 V		
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				SUPPLIED ACCESSORIES: Model ACS-63 Calibration (with TEDS) of Precision Condenser Microphones and Preamplifiers together (mated pair). (1)	
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 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		
				Entered: LK	
				Engineer: MT	
				Sales: MV	
				Approved: MT	
				Spec Number:	
				Date: 10/19/2017	
				Date: 10/19/2017	
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				Date: 10/19/2017	
				60054	
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.				Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com	
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