



Model Number 130F21	ICP® ELECTRET ARRAY MICROPHONE			Revision: NR ECN #: 45478									
Performance Nominal Microphone Diameter Frequency Response Characteristic(at 0° incidence) Frequency Response(± 2 dB) Frequency Response(± 3 dB) Frequency Response(± 4 dB) Phase Match(100 Hz to 3 kHz) Phase Match(50 Hz to 5 kHz) Phase Match(5 kHz to 10 kHz) Sensitivity Sensitivity(+/-3)(@ 250 Hz) Inherent Noise(Linear) Inherent Noise(A Weighted) Inherent Noise(A Weighted) Dynamic Range(3% Distortion Limit) TEDS Compliant	ENGLISH 1/4" Free-Field 20 to 10,000 Hz 10 to 16,000 Hz 10 to 20,000 Hz ± 3 ° ± 5 ° ± 10 ° 45 mV/Pa -26.9 dB re 1 V/Pa 29 dB re 20 µPa <26 dB(A) re 20 µPa 24 dB(A) re 20 µPa >122 dB re 20 µPa Yes	SI 1/4" Free-Field 20 to 10,000 Hz 10 to 16,000 Hz 10 to 20,000 Hz ± 3 ° ± 5 ° ± 10 ° 45 mV/Pa -26.9 dB re 1 V/Pa 29 dB re 20 µPa <26 dB(A) re 20 µPa 24 dB(A) re 20 µPa >122 dB re 20 µPa Yes	<p style="text-align: center;">OPTIONAL VERSIONS</p> <p>Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.</p> <p>NOTES: [1]Typical. [2]TEDS Capable Digital Communication, compliant with IEEE 1451.4 [3]See PCB Declaration of Conformance PS023 for details.</p>										
Environmental Temperature Range(Operating) Temperature Effect on Output(-10 to +50 °C)	+14 to +122 °F 0.7 dB	-10 to +50 °C 0.7 dB											
Electrical Excitation Voltage Constant Current Excitation Output Bias Voltage Output Impedance	18 to 30 VDC 2 to 20 mA 5.5 to 14 VDC <150 Ohm	18 to 30 VDC 2 to 20 mA 5.5 to 14 VDC <150 Ohm											
Physical Housing Material Electrical Connector(Output) Size (Diameter x Length)(overall) Weight	Stainless Steel 10-32 Coaxial Jack 0.28 in x 2.31 in 0.30 oz	Stainless Steel 10-32 Coaxial Jack 7.0 mm x 58.6 mm 8.5 gm	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Entered: LK</td> <td style="width: 20%;">Engineer: TP</td> <td style="width: 20%;">Sales: MV</td> <td style="width: 20%;">Approved: MT</td> <td style="width: 20%;">Spec Number:</td> </tr> <tr> <td>Date: 6/21/2016</td> <td>Date: 6/21/2016</td> <td>Date: 6/21/2016</td> <td>Date: 6/21/2016</td> <td style="text-align: center;">63461</td> </tr> </table> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;">  <div style="font-size: 0.8em;"> <p><i>All specifications are at room temperature unless otherwise specified.</i></p> <p><i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i></p> <p>ICP® is a registered trademark of PCB Group, Inc.</p> </div> <div style="text-align: right; font-size: 0.8em;">  <p>Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com</p> </div> </div>	Entered: LK	Engineer: TP	Sales: MV	Approved: MT	Spec Number:	Date: 6/21/2016	Date: 6/21/2016	Date: 6/21/2016	Date: 6/21/2016	63461
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