



Model Number <b>130A24</b>	<b>Preliminary ICP® ELECTRET ARRAY MICROPHONE</b>		Revision: A ECN #: 44113										
<b>Performance</b> Nominal Microphone Diameter Frequency Response Characteristic(at 0° incidence) Frequency Response(± 3 dB) Phase Match(50 Hz to 100 Hz) Phase Match(100 Hz to 3 kHz) Phase Match(3 kHz to 5 kHz) Phase Match(5 kHz to 10 kHz) Sensitivity(@ 250 Hz) Sensitivity(± 3 dB)(@ 250 Hz) Inherent Noise(A Weighted) Dynamic Range(High) Dynamic Range(3% Distortion Limit) TEDS Compliant <b>Environmental</b> Temperature Range(Operating) Temperature Effect on Output(-10 to +50 °C) Influence of Axial Vibration((1 m/s <sup>2</sup> )) <b>Electrical</b> Excitation Voltage Constant Current Excitation Output Bias Voltage Output Impedance <b>Physical</b> Housing Material Electrical Connector(Output) Size (Diameter x Length)(overall) Weight	<b>ENGLISH</b> 1/2" Free-Field 20 to 16,000 Hz ± 5 ° ± 3 ° ± 5 ° ± 10 ° 10 mV/Pa -40 dB re 1 V/Pa <30 dB(A) re 20 µPa 150 dB re 20 µPa >143 dB re 20 µPa Yes +14 to +122 °F <0.7 dB 60 dB re 20 µPa 18 to 30 VDC 2 to 20 mA 9 to 14 VDC <52 Ohm Stainless Steel BNC Jack .52 in x 2.75 in 1.8 oz	<b>SI</b> 1/2" Free-Field 20 to 16,000 Hz ± 5 ° ± 3 ° ± 5 ° ± 10 ° 10 mV/Pa -40 dB re 1 V/Pa <30 dB(A) re 20 µPa 150 dB re 20 µPa >143 dB re 20 µPa Yes -10 to +50 °C <0.7 dB 60 dB re 20 µPa 18 to 30 VDC 2 to 20 mA 9 to 14 VDC <52 Ohm Stainless Steel BNC Jack 13.2 mm x 69.9 mm 51.1 gm	<b>OPTIONAL VERSIONS</b> Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.  <b>NOTES:</b> [1]Typical. [2]Max without clipping. [3]TEDS Capable Digital Memory and Communication, compliant with IEEE 1451.4 [4]See PCB Declaration of Conformance PS023 for details.  <b>SUPPLIED ACCESSORIES:</b> Model ACS-21 Calibration of Electret Microphone (1)  <table border="1" data-bbox="1134 803 1946 885"> <tr> <td>Entered: AP</td> <td>Engineer: DK</td> <td>Sales: MV</td> <td>Approved: BAM</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 5/12/2015</td> <td>Date: 5/12/2015</td> <td>Date: 5/12/2015</td> <td>Date: 5/12/2015</td> <td style="text-align: center;"><b>59448</b></td> </tr> </table>	Entered: AP	Engineer: DK	Sales: MV	Approved: BAM	Spec Number:	Date: 5/12/2015	Date: 5/12/2015	Date: 5/12/2015	Date: 5/12/2015	<b>59448</b>
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 <p>[4]</p> <p><i>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.</i></p>			 <p>3425 Walden Avenue, Depew, NY 14043</p> <p><b>Phone: 716-684-0001</b>  <b>Fax: 716-684-0987</b>  <b>E-Mail: info@pcb.com</b></p>										