



Model Number <b>130B40</b>	<b>ICP® ELECTRET SURFACE MICROPHONE</b>			Revision: D ECN #: 43176										
<b>Performance</b> Frequency Response Characteristic Frequency Response(+/-1 dB) Frequency Response(+/-3 dB) Frequency Response(+/-6 dB) Sensitivity(@ 250 Hz) Sensitivity(+/-3 dB)(@ 250 Hz) Inherent Noise Dynamic Range(High) Dynamic Range(3% Distortion Limit) TEDS Compliant(Per IEEE 1451.4)	<b>ENGLISH</b> Pressure 100 to 3000 Hz 20 to 10,000 Hz 20 to 20,000 Hz 8.5 mV/Pa -41.4 dB re 1 V/Pa <32 dB(A) re 20 µPa 150 dB re 20 µPa >142 dB re 20 µPa Yes	<b>SI</b> Pressure 100 to 3000 Hz 20 to 10,000 Hz 20 to 20,000 Hz 8.5 mV/Pa -41.4 dB re 1 V/Pa <32 dB(A) re 20 µPa 150 dB re 20 µPa >142 dB re 20 µPa Yes	[3][2]	<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>Environmental</b> Temperature Range(Operating) Influence of Axial Vibration(0.1g (1 m/s <sup>2</sup> ))	-40 to +176 °F 4.5 dB re 20 µPa	-40 to +80 °C 4.5 dB re 20 µPa	[1] [2]	<b>NOTES:</b> [1]Sensitivity can change with significant variations in temperature. [2]Typical. [3]Max without clipping. [4]See PCB Declaration of Conformance PS023 for details.										
<b>Electrical</b> Excitation Voltage Constant Current Excitation Output Bias Voltage Output Impedance <b>Physical</b> Housing Material Electrical Connector(Output) Cable Type Cable Length Cable Termination Size (Diameter)(Without fairing) Size (Diameter)(With fairing) Size (Height) Weight Weight(without cable)	18 to 30 VDC 2 to 20 mA 9 to 14 VDC ≤ 50 Ohm Stainless Steel Integral Cable 030 Coaxial 5 ft 10-32 Coaxial Plug 0.52 in 1.62 in 0.126 in 0.3 oz 0.03 oz	18 to 30 VDC 2 to 20 mA 9 to 14 VDC ≤ 50 Ohm Stainless Steel Integral Cable 030 Coaxial 1.5 m 10-32 Coaxial Plug 13.2 mm 41.0 mm 3.20 mm 7 gm 0.8 gm	[2] [2]	<b>SUPPLIED ACCESSORIES:</b> Model 070A02 Scope input adaptor (micro 10-32 jack to BNC plug) (1) Model 100-11180-10 IPA Wipe (2) Model 54924-01 Double Sided Base Adhesive Pad (5) Model 54925-01 Single Sided Top Adhesive Pad (5) Model 55739-01 Silicone Fairing (1) Model ACS-21 Calibration of Electret Microphone (1)										
 [4]	<table border="1"> <tr> <td>Entered: AP</td> <td>Engineer: MJN</td> <td>Sales: MV</td> <td>Approved: MT</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 7/25/2014</td> <td>Date: 7/25/2014</td> <td>Date: 7/25/2014</td> <td>Date: 7/25/2014</td> <td><b>56068</b></td> </tr> </table>				Entered: AP	Engineer: MJN	Sales: MV	Approved: MT	Spec Number:	Date: 7/25/2014	Date: 7/25/2014	Date: 7/25/2014	Date: 7/25/2014	<b>56068</b>
Entered: AP	Engineer: MJN	Sales: MV	Approved: MT	Spec Number:										
Date: 7/25/2014	Date: 7/25/2014	Date: 7/25/2014	Date: 7/25/2014	<b>56068</b>										
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.				 <b>Phone: 716-684-0001</b> <b>Fax: 716-684-0987</b> <b>E-Mail: info@pcb.com</b> 3425 Walden Avenue, Depew, NY 14043										