


Model Number 377B20	PRECISION CONDENSER MICROPHONE			Revision H ECN #: 39404										
Performance Nominal Microphone Diameter Frequency Response Characteristic Open Circuit Sensitivity (at 250 Hz) Open Circuit Sensitivity (±1.5 dB) (at 250 Hz) Frequency Range (±1 dB) Frequency Range (±2 dB) Lower Limiting Frequency (-3 dB) Resonant Frequency (90° Phase Shift) Dynamic Range (3% Distortion Limit) Dynamic Range (Cartridge Thermal Noise) Standards Designation (IEC 651)	ENGLISH 1/2" Random Incidence 50 mV/Pa -26 dB re 1 V/Pa 5 to 6300 Hz 3.15 to 12500 Hz 1 to 2.4 Hz 12 kHz 146 dB re 20 µPa 15 dB(A) re 20 µPa Type 1	SI 1/2" Random Incidence 50 mV/Pa -26 dB re 1 V/Pa 5 to 6300 Hz 3.15 to 12500 Hz 1 to 2.4 Hz 12 kHz 146 dB re 20 µPa 15 dB(A) re 20 µPa Type 1		Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) Notes [1] Typical. [2] Prepolarized [3] re 1 kHz [4] The microphone uses 50% to 70% of the frequency tolerances allowed by this standard. Supplied Accessories ACS-20 Calibration of Precision Condenser Microphones (1)										
Environmental Temperature Range (Operating) Temperature Coefficient of Sensitivity (+14 to +122°F (-10 to +50°C)) Static Pressure Coefficient (at 250 Hz) Influence of Humidity (0 to 100%, non-condensing) Influence of Axial Vibration (0.1g (1 m/s ²))	-40 to +248 °F 0.005 dB/°F -0.01 dB/kPa <0.1 dB 63 dB re 20 µPa	-40 to +120 °C 0.009 dB/°C -0.01 dB/kPa <0.1 dB 63 dB re 20 µPa	 											
Electrical Capacitance (Polarized) Polarization Voltage	11 pF 0 V	11 pF 0 V	 											
Physical Housing Material Venting Mounting Thread (Preamplifier) Mounting Thread (Grid) Size (Diameter) (with grid) Size (Diameter) (without grid) Size (Height) (with grid) Size (Height) (without grid) Weight	Stainless Alloy Rear 0.4606 - 60 UNS 0.5 - 60 UNS 0.52 in 0.5 in 0.64 in 0.6 in 0.28 oz	Stainless Alloy Rear 11.7 mm - 60 UNS 12.7 mm - 60 UNS 13.2 mm 12.7 mm 16.2 mm 15.3 mm 7.8 gm	 											
<p><i>All specifications are at room temperature unless otherwise specified.</i></p> <p>In the interest of constant product improvement, we reserve the right to change specifications without notice.</p> <p>ICP® is a registered trademark of PCB group, Inc.</p>				<table border="1"> <tr> <td>Entered: LLH</td> <td>Engineer: MJN</td> <td>Sales: MV</td> <td>Approved: TB</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 06/06/2012</td> <td>Date: 06/05/2012</td> <td>Date: 06/06/2012</td> <td>Date: 06/05/2012</td> <td>31214</td> </tr> </table>	Entered: LLH	Engineer: MJN	Sales: MV	Approved: TB	Spec Number:	Date: 06/06/2012	Date: 06/05/2012	Date: 06/06/2012	Date: 06/05/2012	31214
Entered: LLH	Engineer: MJN	Sales: MV	Approved: TB	Spec Number:										
Date: 06/06/2012	Date: 06/05/2012	Date: 06/06/2012	Date: 06/05/2012	31214										
				 <p>3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 800-828-8840 Fax: 716-684-0987 E-mail: info@pcb.com Web site: www.pcb.com</p>										