

| Model Number 377C41 | PRECISION CONDENSER MICROPHONE | | | Revision: B ECN #: 43881 | | | | | | | | | |
|---|---|--|---|--|-------------|--------------|-----------|--------------|--------------|-----------------|-----------------|-----------------|-----------------|
| Performance Nominal Microphone Diameter Frequency Response Characteristic(at 0° incidence) Open Circuit Sensitivity(at 250 Hz) Open Circuit Sensitivity(± 1.2 dB)(at 250 Hz) 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 61094-4) | ENGLISH 1/2" Free-Field 44.5 mV/Pa -27 dB re 1 V/Pa 3.15 to 20,000 Hz 1.0 to 2.4 Hz 14,000 Hz >146 dB re 20 µPa <15 dB(A) re 20 µPa WS2F | SI 1/2" Free-Field 44.5 mV/Pa -27 dB re 1 V/Pa 3.15 to 20,000 Hz 1.0 to 2.4 Hz 14,000 Hz >146 dB re 20 µPa <15 dB(A) re 20 µPa WS2F | <p align="center">OPTIONAL VERSIONS</p> <p align="center">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]re 250 Hz</p> <p>SUPPLIED ACCESSORIES: Model ACS-20 Calibration of Precision Condensor Microphones (1)</p> | | | | | | | | | | |
| Environmental Temperature Range(Operating) Temperature Coefficient of Sensitivity(+14 to +122°F (-10 to +50°C)) Static Pressure Coefficient Influence of Humidity(0 to 95%, non-condensing) Influence of Axial Vibration(0.1g (1 m/s ²)) Influence of Magnetic Field(60 Hz, 80 A/m) Long Term Stability(68°F (20°C)) Electrical Capacitance(Polarized) Polarization Voltage | -40 to +302 °F 0.0033 dB/°F -0.01 dB/kPa -0.1 to 0.1 dB 62 dB re 20 µPa 0 dB re 20 µPa >1000 years/dB 15 pF 200 V | -40 to +150 °C 0.006 dB/°C -0.01 dB/kPa -0.1 to 0.1 dB 62 dB re 20 µPa 0 dB re 20 µPa >1000 years/dB 15 pF 200 V | | <table border="1"> <tr> <td>Entered: AP</td> <td>Engineer: MT</td> <td>Sales: MV</td> <td>Approved: MT</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 2/23/2015</td> <td>Date: 2/23/2015</td> <td>Date: 2/23/2015</td> <td>Date: 2/23/2015</td> <td align="center">51121</td> </tr> </table> | Entered: AP | Engineer: MT | Sales: MV | Approved: MT | Spec Number: | Date: 2/23/2015 | Date: 2/23/2015 | Date: 2/23/2015 | Date: 2/23/2015 |
| Entered: AP | Engineer: MT | Sales: MV | Approved: MT | Spec Number: | | | | | | | | | |
| Date: 2/23/2015 | Date: 2/23/2015 | Date: 2/23/2015 | Date: 2/23/2015 | 51121 | | | | | | | | | |
| Physical Housing Material Venting Equivalent Volume Size (Diameter x Height)(with grid) Size (Diameter x Height)(without grid) Weight <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> | Stainless Alloy Rear 0.0027 0.52 in x 0.64 in 0.5 in x 0.61 in 0.32 oz | Stainless Alloy Rear 45 mm ³ 13.2 mm x 16.3 mm 12.7 mm x 15.5 mm 9 gm |  <p>3425 Walden Avenue, Depew, NY 14043</p> <p>Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com</p> | | | | | | | | | | |