


Model Number 377C01	PRECISION CONDENSER MICROPHONE		Revision E ECN #: 41838										
Performance Nominal Microphone Diameter Frequency Response Characteristic (at 0° incidence) Open Circuit Sensitivity (at 250 Hz) Open Circuit Sensitivity (±3 dB) (at 250 Hz) Frequency Range (±1 dB) Frequency Range (±2 dB) Frequency Range (±3 dB) Lower Limiting Frequency (-3 dB) Resonant Frequency (90° Phase Shift) Inherent Noise (Microphone) Dynamic Range (3% Distortion Limit) (Microphone) Inherent Noise Dynamic Range (3% Distortion Limit) (With Standard Pre-amp) Standards Designation (IEC 61094-4)	ENGLISH 1/4" Free-Field 2.0 mV/Pa -54 dB re 1 V/Pa 6 to 12500 Hz 4 to 80000 Hz 3 to 100000 Hz 0.25 to 3 Hz 75 kHz <35 dB(A) >164 dB <50 dB(A) >164 dB re 20 µPa WS3F	SI 1/4" Free-Field 2.0 mV/Pa -54 dB re 1 V/Pa 6 to 12500 Hz 4 to 80000 Hz 3 to 100000 Hz 0.25 to 3 Hz 75000 Hz <35 dB(A) >164 dB <50 dB(A) >164 dB re 20 µPa WS3F	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 Supplied Accessories ACS-20 Calibration of Precision Condensor Microphones (1)										
Environmental Temperature Range (Operating) Temperature Coefficient of Sensitivity (+14 to +122°F (-10 to +50°C)) Static Pressure Coefficient Humidity Coefficient of Sensitivity Influence of Axial Vibration (0.1g (1 m/s ²))	-40 to +248 °F 0.003 dB/°F -0.005 dB/kPa -0.001 to +0.001 dB/%RH 60 dB re 20 µPa	-40 to +120 °C 0.006 dB/°C -0.005 dB/kPa -0.001 to +0.001 dB/%RH 60 dB re 20 µPa	[1] [1] [1] [1]										
Electrical Capacitance (Polarized) Polarization Voltage	4.5 pF 0 V	4.5 pF 0 V	[1] [2]										
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 0.2244 - 60 UNS 0.25 - 60 UNS 0.28 in 0.25 in 0.41 in 0.36 in 0.06 oz	Stainless Alloy Rear 5.7 mm - 60 UNS 6.35 mm - 60 UNS 7.0 mm 6.4 mm 10.5 mm 9.1 mm 1.8 gm	[1]										
<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: 07/30/2013</td> <td>Date: 07/30/2013</td> <td>Date: 07/30/2013</td> <td>Date: 07/30/2013</td> <td>40152</td> </tr> </table>				Entered: AP	Engineer: MT	Sales: MV	Approved: MT	Spec Number:	Date: 07/30/2013	Date: 07/30/2013	Date: 07/30/2013	Date: 07/30/2013	40152
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<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>				 <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>									