


Model Number 377C10	PRECISION CONDENSER MICROPHONE		Revision E ECN #: 41837											
Performance Nominal Microphone Diameter Frequency Response Characteristic Open Circuit Sensitivity (at 250 Hz) Open Circuit Sensitivity (±3 dB) Frequency Range (±2 dB) Lower Limiting Frequency (-3 dB) Resonant Frequency (90° Phase Shift) Inherent Noise (Microphone) Dynamic Range (3% Distortion Limit) (Microphone) Dynamic Range (With Standard Pre-amp)	ENGLISH 1/4" Pressure 1.0 mV/Pa -60 dB re 1 V/Pa 4.0 to 70000 Hz 0.25 to 3 Hz 65 kHz <35 dB(A) >174 dB(A) >50-174 dB re 20 μPa	SI 1/4" Pressure 1.0 mV/Pa -60 dB re 1 V/Pa 4.0 to 70000 Hz 0.25 to 3 Hz 65000 Hz <35 dB(A) >174 dB(A) >50-174 dB re 20 μPa	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 0.004 dB/°F -0.003 dB/kPa -0.0012 to +0.0012 dB/%RH 66 dB re 20 μPa	-40 to +120 °C 0.007 dB/°C -0.003 dB/kPa -0.0012 to +0.0012 dB/%RH 66 dB re 20 μPa	[1] [1] [1] [1]											
Electrical Capacitance (Polarized) Polarization Voltage	5 pF 0 V	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]											
<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: 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>40215</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	40215			
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