


Model Number 377B02	PRECISION CONDENSER MICROPHONE			Revision F ECN #: 42005										
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>	<b>Optional Versions</b> (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)											
Nominal Microphone Diameter	1/2"	1/2"	<b>Notes</b>											
Frequency Response Characteristic (at 0° incidence)	Free-Field	Free-Field	[1] Typical.											
Open Circuit Sensitivity (at 250 Hz)	50 mV/Pa	50 mV/Pa	[2] Prepolarized											
Open Circuit Sensitivity (±1.5 dB) (at 250 Hz)	-26 dB re 1 V/Pa	-26 dB re 1 V/Pa	[3] re 1 kHz											
Frequency Range (±1 dB)	5 to 10000 Hz	5 to 10000 Hz	<b>Supplied Accessories</b>											
Frequency Range (±2 dB)	3.15 to 20000 Hz	3.15 to 20000 Hz	ACS-20 Calibration of Precision Condensor Microphones (1)											
Lower Limiting Frequency (-3 dB)	1 to 2.4 Hz	1 to 2.4 Hz												
Resonant Frequency (90° Phase Shift)	10.4 kHz	10.4 kHz												
Dynamic Range (3% Distortion Limit)	>146 dB re 20 µPa	>146 dB re 20 µPa												
Dynamic Range (Cartridge Thermal Noise)	<15 dB(A) re 20 µPa	<15 dB(A) re 20 µPa												
Standards Designation (IEC 61094-4)	WS2F	WS2F												
<b>Environmental</b>														
Temperature Range (Operating)	-40 to +248 °F	-40 to +120 °C												
Temperature Coefficient of Sensitivity (+14 to +122°F (-10 to +50°C))	0.005 dB/°F	0.009 dB/°C												
Static Pressure Coefficient (at 250 Hz)	-0.013 dB/kPa	-0.013 dB/kPa												
Influence of Humidity (0 to 100%, non-condensing)	-0.1 to 0.1 dB	-0.1 to 0.1 dB												
Influence of Axial Vibration (0.1g (1 m/s²))	63 dB re 20 µPa	63 dB re 20 µPa												
<b>Electrical</b>														
Capacitance (Polarized)	12 pF	12 pF												
Polarization Voltage	0 V	0 V												
<b>Physical</b>														
Housing Material	Stainless Alloy	Stainless Alloy												
Venting	Rear	Rear												
Mounting Thread (Preamplifier)	0.4606 - 60 UNS	11.7 mm - 60 UNS												
Mounting Thread (Grid)	0.5 - 60 UNS	12.7 mm - 60 UNS												
Size (Diameter) (with grid)	0.52 in	13.2 mm												
Size (Diameter) (without grid)	0.5 in	12.7 mm												
Size (Height) (with grid)	0.64 in	16.2 mm												
Size (Height) (without grid)	0.6 in	15.3 mm												
Weight	0.28 oz	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><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: 09/09/2013</td><td>Date: 09/09/2013</td><td>Date: 09/09/2013</td><td>Date: 09/09/2013</td><td><b>29289</b></td></tr></table>					Entered: AP	Engineer: MT	Sales: MV	Approved: MT	Spec Number:	Date: 09/09/2013	Date: 09/09/2013	Date: 09/09/2013	Date: 09/09/2013	<b>29289</b>
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