



Model Number 130E20	<b>ICP® ELECTRET ARRAY MICROPHONE</b>		Revision C ECN #: 32938		
<b>Performance</b> Nominal Microphone Diameter Frequency Response Characteristic (at 0° incidence) Frequency Response (±2 dB) Frequency Response (±5 dB) Phase Match (100 Hz to 5 kHz) Sensitivity (@ 250 Hz) Sensitivity (±3 dB) (@ 250 Hz) Inherent Noise (1/3 Octave @ 250Hz) Inherent Noise (A Weighted) Dynamic Range (3% Distortion Limit) TEDS Compliant	<b>ENGLISH</b> 1/4" Free-Field 20 to 10000 Hz 20 to 20000 Hz ±5 ° 45 mV/Pa -26.9 dB re 1 V/Pa <15 dB <30 dB >122 dB Yes	<b>SI</b> 1/4" Free-Field 20 to 10000 Hz 20 to 20000 Hz ±5 ° 45 mV/Pa -26.9 dB re 1 V/Pa <15 dB <30 dB >122 dB Yes	<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.) <b>T</b> - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4  <b>Notes</b> [1] Typical. [2] ± 3° from 100 Hz to 3 kHz typical [3] TEDS Capable Digital Memory and Communication, compliant with IEEE 1451.4 [4] See PCB Declaration of Conformance PS023 for details.  <b>Supplied Accessories</b> ACS-21 Calibration of Array Microphone (1)		
<b>Environmental</b> Temperature Range (Operating) Temperature Effect on Output (-10 to +50 °C)	+14 to +122 °F <0.7 dB	-10 to +50 °C <0.7 dB	[1]		
<b>Electrical</b> Excitation Voltage Constant Current Excitation Output Bias Voltage Output Impedance	18 to 30 VDC 2 to 20 mA 5.5 to 14 VDC <150 Ohm	18 to 30 VDC 2 to 20 mA 5.5 to 14 VDC <150 Ohm			
<b>Physical</b> Housing Material Electrical Connector (Output) Size (Diameter x Length) (overall) Size (Diameter x Length) (head) Weight	Stainless Steel BNC Jack 0.5 in x 2.61 in 0.28 in x 1.10 in 0.66 oz	Stainless Steel BNC Jack 12.7 mm x 66.2 mm 7 mm x 28 mm 18.5 gm	[1]		
 [4]					
<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>					
Entered: LLH		Engineer: WDC	Sales: LLH		Spec Number:
Date: 05/20/2010		Date: 05/18/2010	Date: 05/20/2010		<b>43067</b>
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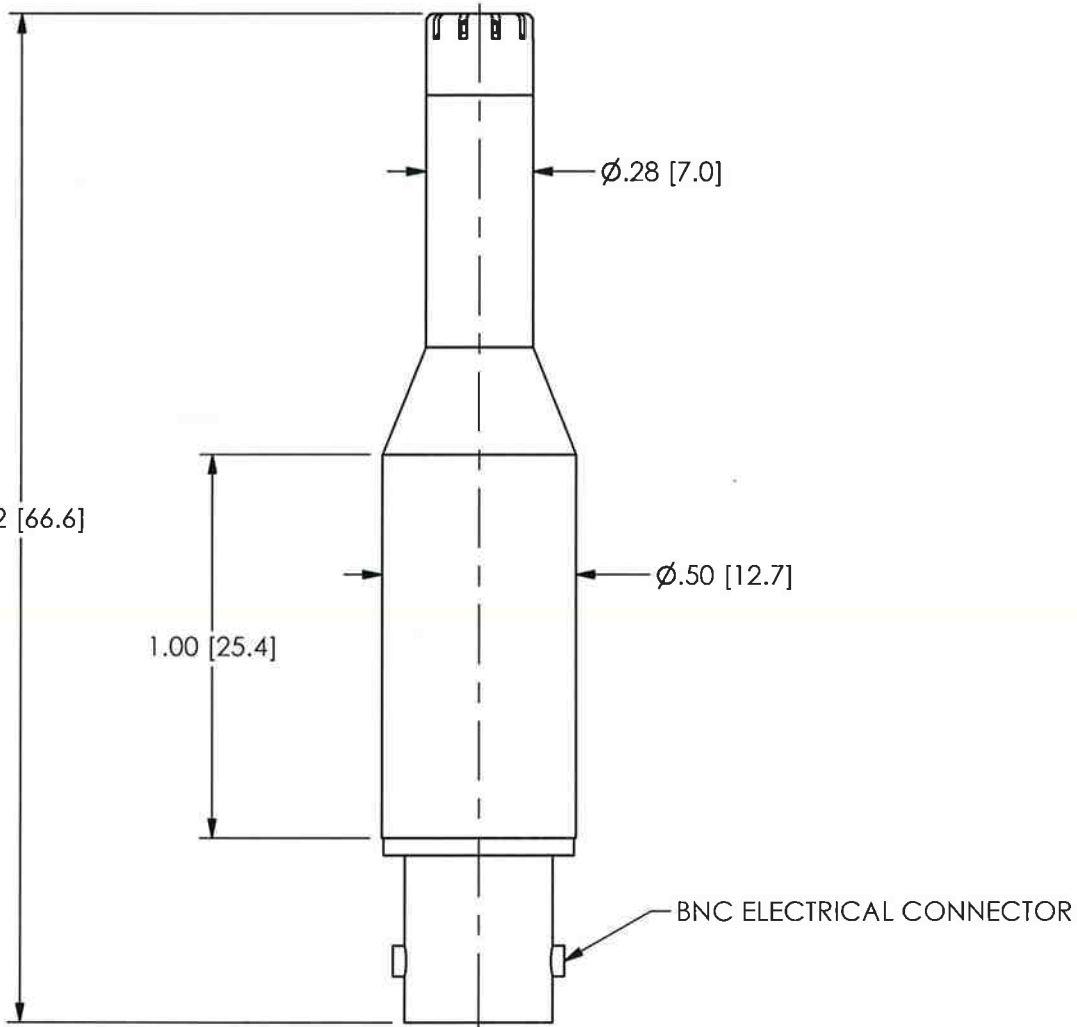
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REVISIONS

REV	DESCRIPTION	ECO
C	CHANGED DIMENSION	33430

43066



UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:

DIMENSIONS IN INCHES

DECIMALS XX ±.03  
XXX ±.010

ANGLES ± 2 DEGREES

FILLETS AND RADII  
.003 - .005

DIMENSIONS IN MILLIMETERS  
[ IN BRACKETS ]

DECIMALS X ± 0.8  
XX ± 0.25

ANGLES ± 2 DEGREES

FILLETS AND RADII  
0.07 - 0.13

DRAWN

*8/25* 7/16/10

CHECKED

*FEB* 7/16/10

ENGINEER

JWE 7/16/10

TITLE

OUTLINE DRAWING  
MODEL 130E20  
ICP MICROPHONE

**PCB PIEZOTRONICS**™

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CODE IDENT. NO.  
52681

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43066

SCALE: 2X

SHEET 1 OF 1

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