



| Model Number 130E20 | ICP® ELECTRET ARRAY MICROPHONE | | Revision C ECN #: 32938 | | |
|--|--|---|---|--|--------------|
| Performance 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 | ENGLISH 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 | SI 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 | Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.) T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4 Notes [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. Supplied Accessories ACS-21 Calibration of Array Microphone (1) | | |
| Environmental 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] | | |
| Electrical 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 | | | |
| Physical 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: |
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|  | | | 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 | | |