

Model Number
130A40

ICP® ELECTRET SURFACE MICROPHONE

Revision: B
ECN #: 26384

Performance

Nominal Microphone Diameter
Frequency Response Characteristic
Frequency Response(± 2 dB)
Phase Match(100 Hz to 5 kHz)
Sensitivity(@ 250 Hz)
Sensitivity(± 3 dB)(@ 250 Hz)
Dynamic Range(1/3 Octave @ 1kHz)
Dynamic Range(Linear Spec. 10 Hz - 10 kHz)
Dynamic Range(3% Distortion Limit)

Environmental

Temperature Range(Operating)
Temperature Effect on Output(-10 to +50 °C)

Electrical

Excitation Voltage
Constant Current Excitation
Output Bias Voltage
Output Impedance

Physical

Electrical Connector(Output)
Cable Length
Size (Diameter x Length)(overall)

All specifications are at room temperature unless otherwise specified.
In the interest of constant product improvement, we reserve the right to change specifications without notice.

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ENGLISH

1/4"
Pressure
20 to 10,000 Hz
± 5 °
45 mV/Pa
-26.9 dB re 1 V/Pa
<15 dB
<30 dB
>122 dB

+14 to +122 °F
<0.5 dB

18 to 30 VDC
2 to 20 mA
6 to 12 VDC
<10 ohm

10-32 Coaxial Jack
10 ft
2.0 in x 0.27 in

10-32 Coaxial Jack
10 ft
50.8 mm x 6.9 mm

SI

1/4"
Pressure
20 to 10,000 Hz
± 5 °
45 mV/Pa
-26.9 dB re 1 V/Pa
<15 dB
<30 dB
>122 dB

-10 to +55 °C
<0.5 dB

18 to 30 VDC
2 to 20 mA
6 to 12 VDC
<10 ohm

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4

NOTES:

[1] ± 3° from 100 Hz to 3 kHz typical

SUPPLIED ACCESSORIES:

Model ACS-21 Calibration of Array Microphone (1)

Entered: <i>JH</i>	Engineer: <i>CCR</i>	Sales: <i>MSU</i>	Approved: <i>Phab</i>	Spec Number:
Date: <i>5-3-07</i>	Date: <i>5-4-07</i>	Date: <i>5-7-07</i>	Date: <i>5-9-07</i>	29352



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