Model Number	ICP® ELECTRET ARRAY MICROPHONE	Revision: NR
130F20		ECN #: 45478

Performance	ENGLISH	SI	
Nominal Microphone Diameter	1/4"	1/4"	
Frequency Response Characteristic(at 0° incidence)	Free-Field	Free-Field	
Frequency Response(± 2 dB)	20 to 10,000 Hz	20 to 10,000 Hz	
Frequency Response(± 3 dB)	10 to 16,000 Hz	10 to 16,000 Hz	
Frequency Response(± 4 dB)	10 to 20,000 Hz	10 to 20,000 Hz	
Phase Match(100 Hz to 3 kHz)	± 3 °	± 3 °	[1]
Phase Match(50 Hz to 5 kHz)	± 5 °	± 5 °	[1]
Phase Match(5 kHz to 10 kHz)	± 10 °	± 10 °	[1]
Sensitivity	45 mV/Pa	45 mV/Pa	
Sensitivity(+/-3)(@ 250 Hz)	-26.9 dB re 1 V/Pa	-26.9 dB re 1 V/Pa	
Inherent Noise(Linear)	29 dB re 20 µPa	29 dB re 20 µPa	[1]
Inherent Noise(A Weighted)	<26 dB(A) re 20 µPa	<26 dB(A) re 20 µPa	
Inherent Noise(A Weighted)	24 dB(A) re 20 µPa	24 dB(A) re 20 µPa	[1]
Dynamic Range(3% Distortion Limit)	>122 dB re 20 µPa	>122 dB re 20 µPa	
TEDS Compliant	Yes	Yes	[2]
Environmental			
Temperature Range(Operating)	+14 to +122 °F	-10 to +50 °C	
Temperature Effect on Output(-10 to +50 °C)	0.7 dB	0.7 dB	[1]
Electrical			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Bias Voltage	5.5 to 14 VDC	5.5 to 14 VDC	
Output Impedance	<150 Ohm	<150 Ohm	
Physical			
Housing Material	Stainless Steel	Stainless Steel	
Electrical Connector(Output)	BNC Jack	BNC Jack	
Size (Diameter x Length)(overall)	0.5 in x 2.63 in	12.7 mm x 66.8 mm	
Size (Diameter x Length)(head)	0.28 in x .87 in	7 mm x 22.1 mm	
Weight	0.90 oz	25.5 gm	[1]

CE[3]

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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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.

NOTES:
[1]Typical.
[2]TEDS Capable Digital Communication, compliant with IEEE 1451.4
[3]See PCB Declaration of Conformance PS023 for details.

Entered: LK	Engineer: TP	Sales: MV	Approved: MT	Spec Number:
Date: 6/21/2016	Date: 6/21/2016	Date: 6/21/2016	Date: 6/21/2016	63460

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