



Model 130D20

Product Type: Microphone

ICP™ microphone and integral preamp., 45 mV/Pa

[View Spec Sheet \(PDF\)](#)

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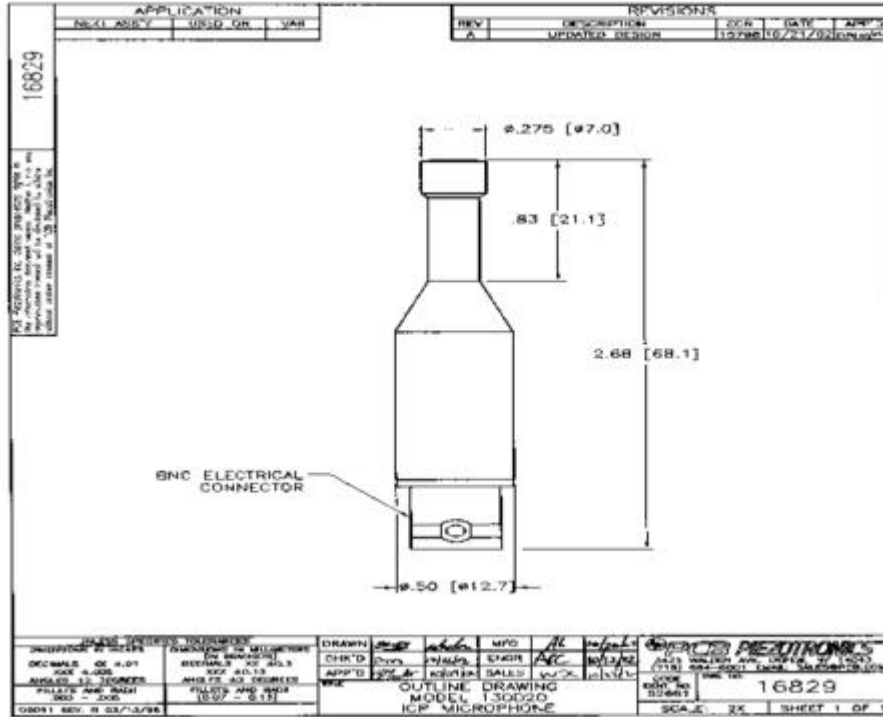
PERFORMANCE	ENGLISH	SI
Nominal Microphone Diameter	1/4"	1/4"
Frequency Response Characteristic (at 0° incidence)	Free-Field	Free-Field
Frequency Response (± 1 dB)	100 to 4000 Hz	100 to 4000 Hz
Frequency Response (-2 to 5 dB)	20 to 15,000 Hz	20 to 15,000 Hz
Phase Match (100 Hz to 5 kHz)	± 5 °	± 5 ° [2]
Sensitivity (@ 1 kHz)	45 mV/Pa	45 mV/Pa
Sensitivity (± 3 dB) (@ 1 kHz)	-26.9 dB re 1 V/Pa	-26.9 dB re 1 V/Pa
Inherent Noise (1/3 Octave @ 1 kHz)	<15 dB	<15 dB
Inherent Noise (Linear Spec. 100 Hz to 10 kHz)	<30 dB	<30 dB
Dynamic Range (3% Distortion Limit)	>122 dB	>122 dB
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
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 to 12 VDC	5 to 12 VDC
Output Impedance	70 ohm	70 ohm [1]
PHYSICAL		
Housing Material	Stainless Steel	Stainless Steel
Sealing	Epoxy	Epoxy
Electrical Connector (Output)	BNC Jack	BNC Jack
Size (Diameter x Length) (overall)	0.5 in x 2.67 in	12.7 mm x 67.8 mm
Size (Diameter x Length) (head)	0.275 in x 0.25 in	7 mm x 6.35 mm
Weight	0.66 oz	18.5 gm [1]
SUPPLIED ACCESSORIES:		
Model ACS-21 Calibration of Array Microphone (1)		
OPTIONAL VERSIONS		
T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4		
Output Bias Voltage	5.5 to 13 VDC	

All specifications are at room temperature unless otherwise specified.

NOTES:

- [1] Typical.
 [2] ± 3° from 100 Hz to 3 kHz typical





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