

SPECIFICATION

FOR APPRONAL

Customer : _____

Product Name : Microphone _____

Model Name : VS6035NS38 _____

Drawing No. : VS20242014005 _____

Signature of Voice

Approved by	Checkde by	Issued by	Date

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1. Revision

Rev.No.	Date	Page	Description of Revision
1.0	2024/10/24		Preliminary

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2. Scope

This specification applies electret condenser microphone.

3. General Characteristics

- 3.1 Out-Diameter : 6 mm
- 3.2 Height : 3.5 mm
- 3.3 Weight : 0.35 g
- 3.4 Operating Temperature : -30+70°C without loss of function
- 3.5 Store Temperature : -40~+80°C without loss of function

4. Electrical and Acoustic Characteristics.

Test condition :5 ~ 35 °C Temp., 35% ~85% RH,86~106 kPa 1kHz , RL=2.2KΩ

No	Items	Specification
1	Directivity	Noise Cancelling
2	Sensitivity (S)	-38dB±3dB (1KHZ, 0dB=1V/pa)
3	Power Supply Voltage(Vs)	4.5 V
4	Output impedance (RL)	2.2 KΩ
5	Operating Voltage	1-10 V
6	Sensitivity reduction within 1.5V	-3dB
7	Frequency	100-16,000Hz
8	Max. Current Consumption	0.5 mA
9	Min S/N ratio	60 dBA
10	Max input sound Level(MISPL)	110 dBA f=1KHz,Distortion<1%
11	Material	AL
12	Environmental Regulations	RoHS

We use “Pascal (Pa)” indication of sensitivity as per the recommendation of I.E.C.(International Electro technical Commission).The Sensitivity of “Pa” will increase 20dB comparing with “ubar” indication.
Example: -60dB (0dB=1V/ubar) =-40dB (1V/Pa)

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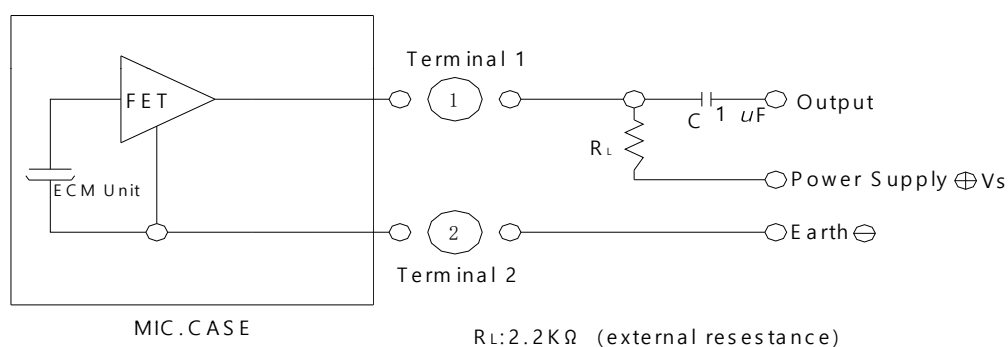
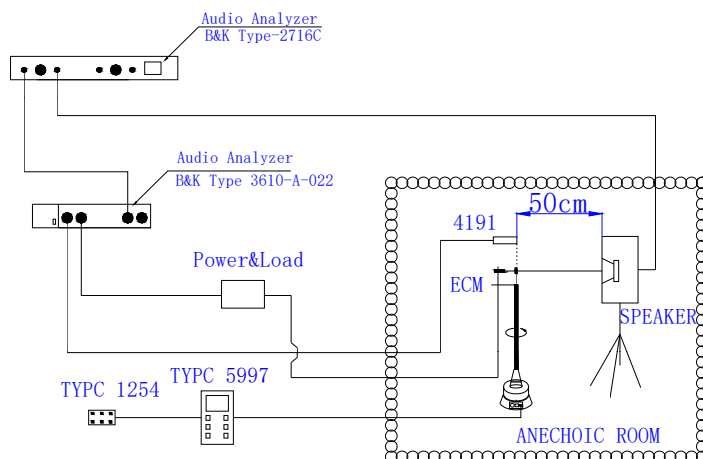
1.0

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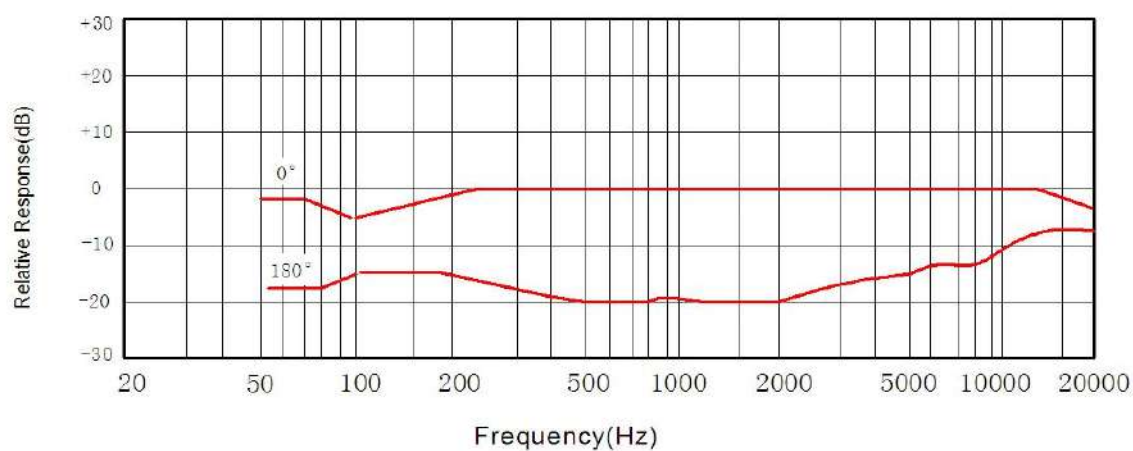
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5. Measurement Method & Frequency Response curve



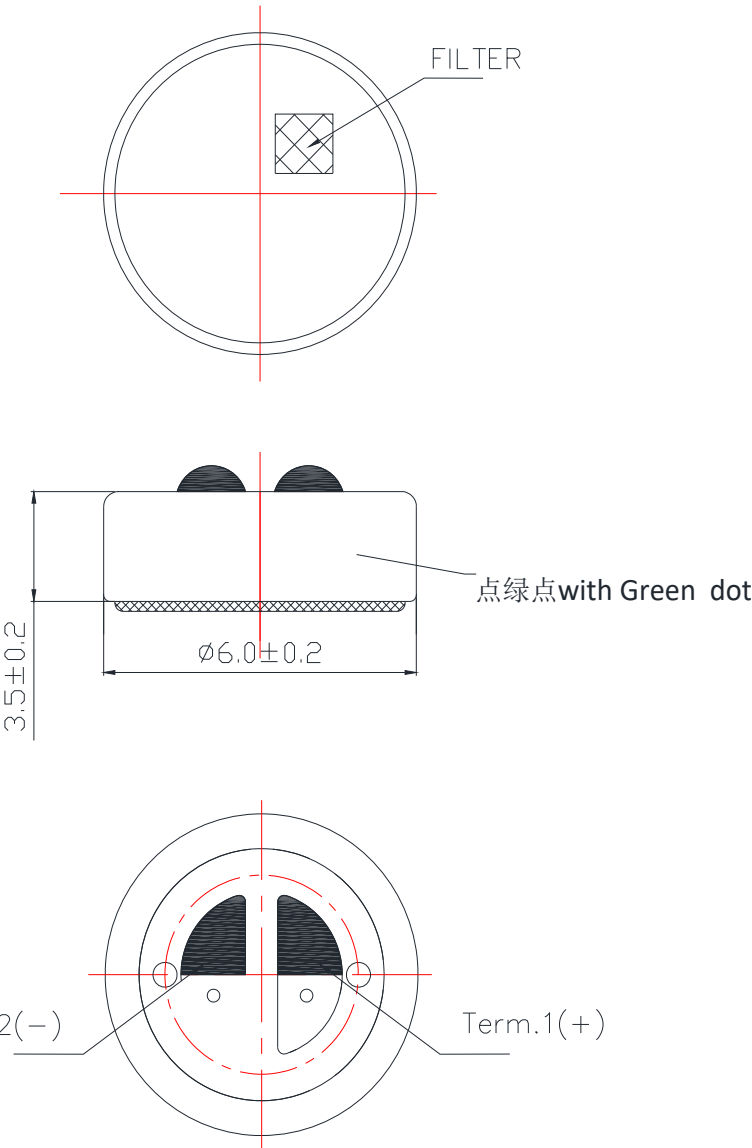
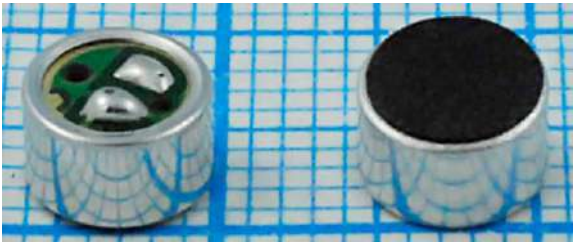
Vs: 2.0V RL: 2.2KΩ C1=1uF



Brüel & Kjær

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6. Dimensions



FIRST ANGLE PROJECTION

UNIT : mm
Tolerance : ± 0.2