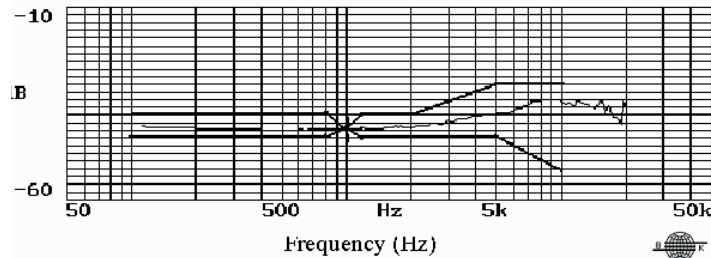
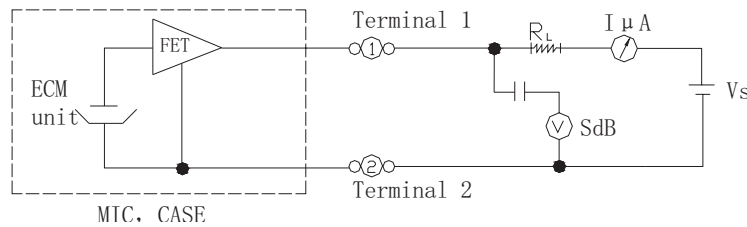


Electrical Specifications:	
Sensitivity Range	-42 ± 2dB RL=2.2K Ω VCC=4.5V (1KHz 0dB=1V/Pa)
Impedance	Max .2.2K Ω 1KHz (RL=2.2K Ω)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Max. Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	4.5V-3.0V Sensitivity Variation less than 3dB

**Typical Frequency Response Curve:**

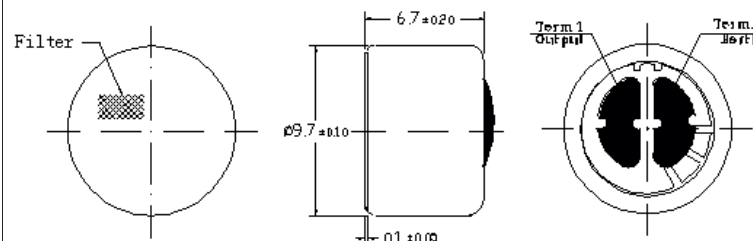


**Schematic Diagram:**



**Mechanical Specifications:**

**Dimension (mm):**



**Weight** 0.6g

**Reliability Tests:** After any following tests, the sensitivity of the microphone unit shall not change more than ± 3dB from initial value, and shall keep their initial operation and appearance.

<b>Hi-Temp. Test</b>	The microphone unit must be subjected to +70 °C for 48 Hours, and expose to room temperature for 3 Hours.
<b>Low-Temp. Test</b>	The microphone unit must be subjected to -25 °C for 48 Hours, and expose to room temperature for 3 Hours.
<b>Humi.&amp;Heat Tes</b>	The microphone unit must be subjected to +40 °C , 93% RH-for 48 Hours, and expose to room temp for 3 Hours .
<b>Humidity Shocking Test</b>	The microphone unit must be subjected to following conditions (+45 °C 1H-room temp 1H;-10 °C 1H-room temp 1H) at 5 cycle, and expose to room temp for 3 Hours.
<b>Vibration Test</b>	The microphone unit must be subjected to a procedure that after vibrating for two hours from each of the two directions with a frequency of 10-55Hz and a 1.52mm-high amplitude.
<b>Dropping Test</b>	The microphone unit must be subjected to a procedure that after dropping to a slippery marble floor for 5 times from a 1-meter-high without package.

**Environmental Condition:**

<b>Storage condition</b>	-20 °C ~ +60 °C R.H. less than 45%~75%
<b>Operation condition</b>	-10 °C ~ +45 °C R.H. less than 85%
<b>Arbitration condition</b>	Temperature : 20 °C ± 1 °C
	Relative humidity: 63%~67%
	Air pressure : 86~106Kpa

**Notices:**

- All the soldering procedures upon microphones must be completed in a metallic device, the temperature of the soldering iron must be limited as 310 °C ± 20 °C .
- Operators, the solder fixtures and the soldering irons must be statically grounded under each soldering process.