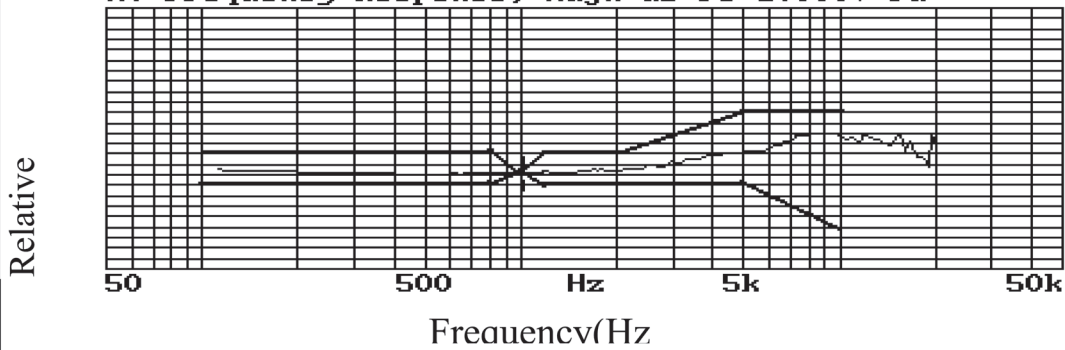


3 Electrical Specifications:

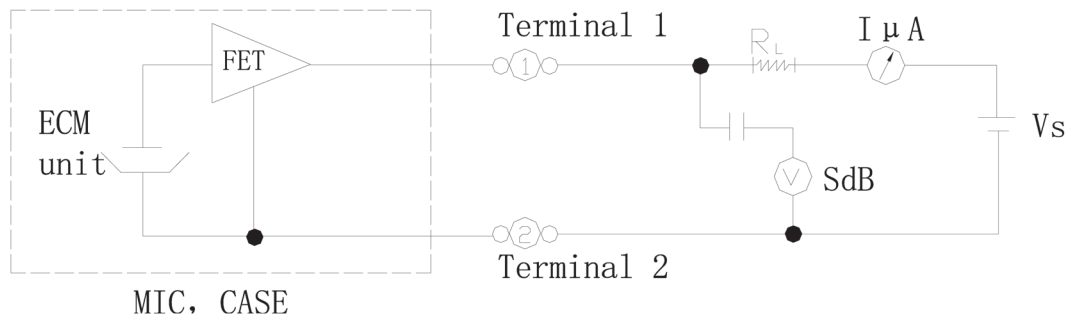
3.1	Sensitivity Range	-42±3dB RL=2.2K Ω VCC=3.0V (1KHz 0dB=1V/Pa)
3.2	Impedance	Max .2.2K Ω 1KHz (RL=2.2K Ω)
3.3	Frequency	20-16000 Hz
3.4	Current Consumption	Max.0.5mA
3.5	Operation Voltage Range	1.1V-10V
3.6	Max. Sound Pressure Level	115dB S.P.L
3.7	S/N Ratio	More than 60dB
3.8	Sensitivity Reduction	3.0V-2.0V Sensitivity Variation less than 3dB

3.9 A: Frequency Response, Magn dB re 1.000V/Pa



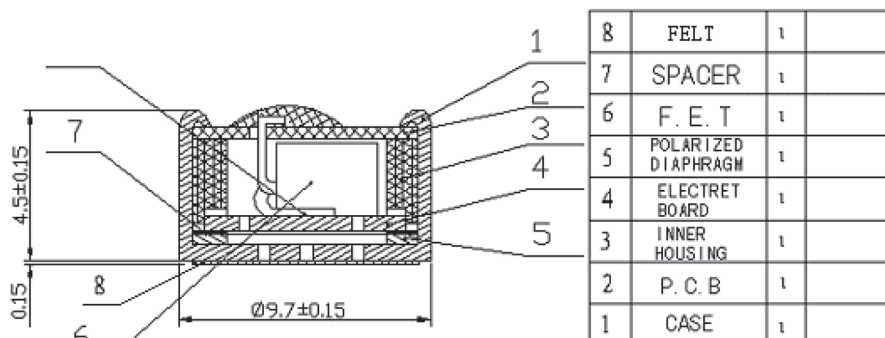
Frequency (Hz)	70	200	500	1000	2000	5000	10000
Upper line(dB)	+3	+3	+3	0	+3	+8	+8
Lower line(dB)	-3	-3	-3	0	-3	-3	-8

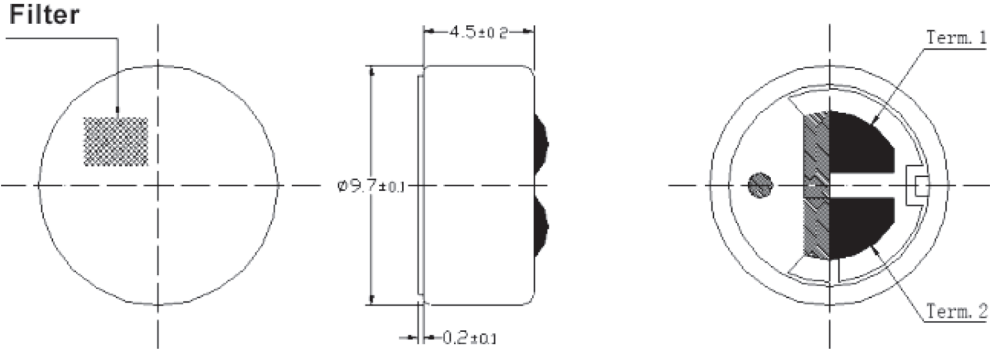
3.10 Schematic Diagram:



4 Mechanical Specifications:

4.1 Drawing



4.2	Dimension (mm): 	
4.3	Weight	0.6g
5. Reliability Tests: After any following tests, the sensitivity of the microphone unit shall not change more than $\pm 3\text{dB}$ from initial value, and shall keep their initial operation and appearance.		
5.1	Hi-Temp. Test	The microphone unit must be subjected to $+70^\circ\text{C}$ for 200 Hours, and expose to room temperature for 3 Hours.
5.2	Low-Temp. Test	The microphone unit must be subjected to -25°C for 200 Hours, and expose to room temperature for 3 Hours.
5.3	Humi.&Heat Tes	The microphone unit must be subjected to $+40^\circ\text{C}$, 93% RH-for 200 Hours, and expose to room temp for 3 Hours .
5.4	Humidity Shocking Test	The microphone unit must be subjected to following conditions ($+50^\circ\text{C}$ 1H-room temp 1H; -10°C 1H-room temp 1H) at 5 cycle, and expose to room temp for 3 Hours.
5.5	Vibration Test	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.
5.6	Dropping Test	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.
6	Environmental Condition:	
6.1	Storage condition	$-40^\circ\text{C}\sim+70^\circ\text{C}$ R.H. less than 90%
6.2	Operation condition	$-20^\circ\text{C}\sim+60^\circ\text{C}$ R.H. less than 90%
6.3	Arbitration condition	Temperature : $20^\circ\text{C}\pm 1^\circ\text{C}$ Relative humidity: 63%~67% Air pressure : 86~106Kpa
7	Notices:	
7.1	All the soldering procedures upon microphones must be completed in a metallic device, the temperature of the soldering iron must be limited as $320^\circ\text{C}\pm 20^\circ\text{C}$.	
7.2	Operators, the solder fixtures and the soldering irons must be statically grounded under each soldering process.	