

Electrical Specifications:	
Sensitivity Range	-46 ± 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
<b>Typical Frequency Response Curve:</b>	
<b>Schematic Diagram:</b>	
<b>Mechanical Specifications:</b>	
<b>Dimension (mm):</b>	
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.	
Hi-Temp. Test	The microphone unit must be subjected to +70 °C for 48 Hours, and expose to room temperature for 3 Hours.
Low-Temp. Test	The microphone unit must be subjected to -25 °C for 48 Hours, and expose to room temperature for 3 Hours.
Humi.&Heat Tes	The microphone unit must be subjected to +40 °C , 93% RH-for 48 Hours, and expose to room temp for 3 Hours .
Humidity Shocking Test	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.
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.
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.
<b>Environmental Condition:</b>	
Storage condition	-20 °C~+60 °C R.H. less than 45%~75%
Operation condition	-10 °C~+45 °C R.H. less than 85%
Arbitration condition	Temperature : 20 °C±1 °C Relative humidity: 63%~67% Air pressure : 86~106Kpa
<b>Notices:</b>	
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.	