

Electrical Specifications:	
Sensitivity Range	-42±3dB 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 60dB
Sensitivity Reduction	4.5V-3.0V Sensitivity Variation less than 3dB
Typical Frequency Response Curve:	
A: Frequency Response, Magn dB re 1.000U/Pa	
Schematic Diagram:	
Mechanical Specifications:	

Drawing	
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	To be no interference in operation after high temperature test 70+/-3°C for 48 hours The sensitivity to be within +/-3dB from initial sensitivity.
Low-Temp. Test	To be no interference in operation after Low temperature test -20+/-3°C for 48 hours, the sensitivity to be within +/-3dB from initial sensitivity.
Isotherm& ISO-humidity Test	To be no interference in operation after storage test at temperature 40+/-3°C and relative humidity (93±3%) for 48 hours. The sensitivity to be within +/-3dB from initial sensitivity, the test is performed at temperature 20°C after operation for 6 hours.
Temperature Cycle Test	After exposure at +55+/-2°C for 1 hour, at 20+/-2°C for 1 hour, at -10+/-2°C for 1 hour, at 20+/-2°C for 1 hour, with 5 cycles. Change of sensitivity within +/-3dB from initial measuring should be done after 2 hours exposed to 20+/-2°C.
Vibration Test	To be no interference in operation after vibration of full amplitude 2mm for 30 minutes at three axis, the sensitivity to be within +/-3dB from initial sensitivity.
Dropping Test	To be no interference in operation after dropped to concrete floor each time from 1- meter height of three directions in state of packing, the sensitivity to be within +/-3dB fro-initial sensitivity..
Environmental Condition:	
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
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.	