MK602762PC

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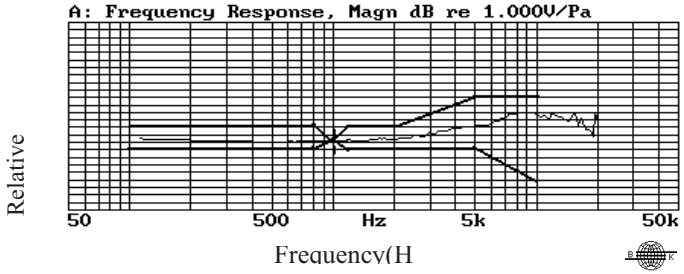
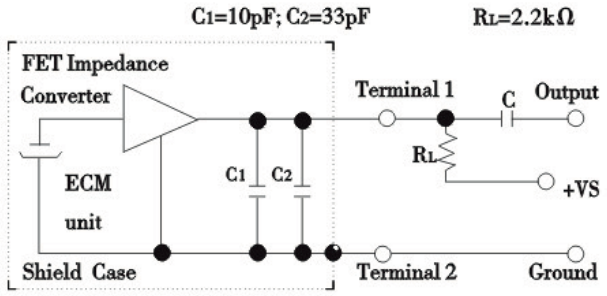
Electrical Specifications:

Sensitivity Range	-42±3dB RL=2.2KΩ VCC=2.0V (1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
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	2.0V-1.5V Sensitivity Variation less than 3dB

Typical Frequency Response Curve:

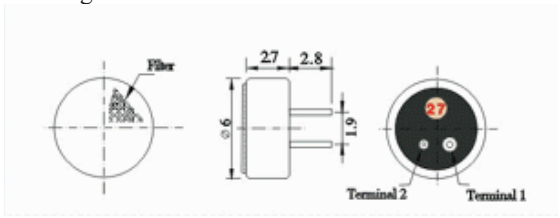


Schematic Diagram:



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℃ 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℃ 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℃ and relative humidity (93±3%) for 48 hours. The sensitivity to be within +/-3dB from initial sensitivity. the test is performed at temperature 20℃ after operation for 6 hours.
Temperature Cycle Test	After exposure at +55+/-2℃ for 1 hour, at 20+/-2℃ for 1 hour, at -10+/-2℃ for 1 hour, at 20+/-2℃ for 1 hour, with 5 cycles. Change of sensitivity within +/-3dB from initial measuring should be done after 2 hours exposed to 20+/-2℃.
Vibration Test	To be no interference in operation after vibration of full amplitude 2mmfor 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℃~+60℃ R.H. less than 45%~75%
Operation condition	-10℃~+45℃ R.H. less than 85%
Arbitration condition	Temperature : 20℃±1℃ 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 ℃± 20℃ .

Operators, the solder fixtures and the soldering irons must be statically grounded under each soldering process.