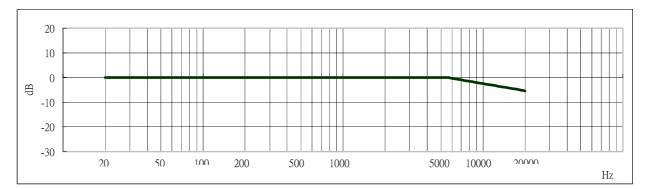
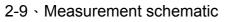
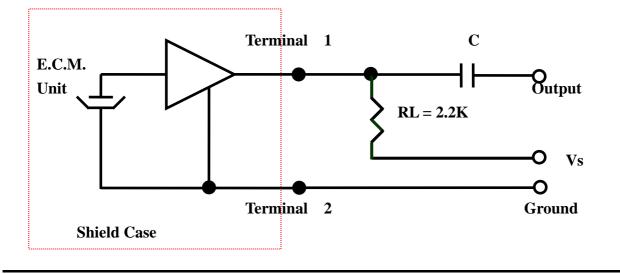
- Scope: The specification describes the requirements of a omni-directional condenser microphone for use in telephone, general use.
- 2 · Electrical requirements: Vss=4.5V,RL=2.2KΩ
 - 2-1 Sensitivity :-60 \pm 3dB ,0 dB=1V/µbar (-40 \pm 3dB at 0 dB = 1V/ Pa)
 - $2-2 \cdot \text{Output impedance}$:Less than $2.2\text{K}\Omega$
 - 2-3 · Directivity :Omni-directional
 - 2-4 \cdot Power consumption :Less than 500 μ A
 - 2-5 S/N ratio :More than 60dB
 - 2-6 · Max. input sound level :120 dB SPL
 - 2-7 Voltage reduction characteristic :Less than 3dB from 2V to 1.1V
 - 2-8 Frequency response:



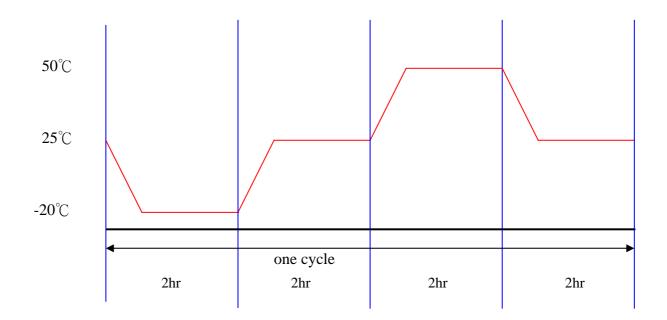




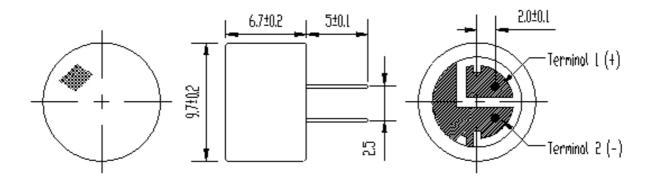
2-10
· Operating voltage range : 1.0V~10V

3 • Mechanical requirements :

 3-2 · Weight : Less than 0.75 g 3-3 · Soldering heat shock : After soldering heat shock at 260±5°C for 3±1 seconds . The microphone should be without damage. 3-4 · Terminal strength : After applied a 1 Kg force on terminal for 1 minute. The microphone should be without damage. 3-5 · Operating temperature range : -20 °C ~ 60 °C 3-6 · Storage temperature range : -30 °C ~ 70 °C 4 · Reliability test : 4-1 · Vibration test : After vibrations with 10Hz~55Hz · full amplitude 2mm each 3 minutes for 30 minutes at three axes. The sensitivity should be within ±3 dB form initial value. 4-2 · Drop test : After drop form 1 meter height to concrete floor · each 5 face for 5 times with packing. The sensitivity should be with ±3 dB form initial value. 4-3 · Humidity test : After exposure at 40 ±2 °C and 90%~95% humidity for 48 hours. The sensitivity should be with ±3 dB form initial value. (The measurement should be done after 3 hours at conditioning 25±2 °C.) 4-4 · High temperature test :After exposure at 50 ±2 °C for 48 hours. The sensitivity should be with ±3 dB from initial value. (The measurement should be done after 3 hours at conditioning 25±2 °C.) 4-5 · Low temperature test :After exposure at -20 ±2 °C for 48 hours. The sensitivity should be with ±3 dB from initial value. (The measurement should be done after 3 hours - at conditioning 25±2 °C.) 4-6 · Temperature cycle test :After exposure at -20 ±2 °C for 2 hours · at 25 ±2 °C for 2 hours · at 50 ±2 °C for 2 hours · at 25 ±2 °C for 2 hours · at 25 ±2 °C for 2 hours · at 25 ±2 °C for 2 hours · at 50 ±2 °C for 2 hours · at 25 ±2 °C for 2 hours · at 50 ±2 °C for 2 hours · at 25 ±2 °C for 2 hours · at 50 ±2 °C for 2 hours · at 25 ±2 °C for 2 hours · at 25 ±2 °C for 2 hours · at 50 ±2 °C for 2 hours · at 25 ±2 °C for 2 hours · at 50 ±2 °C for 2 hours · at 25 ±2 °C for 2 hours · at 50 ±2 °C for 2 hours · at 50 ±2 °C for 2 hours · at 25 ±2 °C for 2 hours · at 50 ±2 °C fo	3-1 · Dimension	: Ø9.7 ×6.7 mm
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 (The measurement should be done after 3 hours → at conditioning 25±2 °C.) 4-6 \ Temperature cycle test :After exposure at -20 ±2 °C for 2 hours → at 25 ±2 °C for 2 hours → at 50 ±2 °C for 2 hours → 5 cycles. The sensitivity should be with ±3 dB from initial value. (The measurement should be done after 3 hours at conditioning 	4-5 Low temperature test :A	fter exposure at –20 \pm 2 °C for 48 hours. The sensitivity
25±2 °C.) 4-6 、 Temperature cycle test :After exposure at –20 ±2 °C for 2 hours → at 25 ±2 °C for 2 hours → at 50 ±2 °C for 2 hours → 5 cycles. The sensitivity should be with ±3 dB from initial value. (The measurement should be done after 3 hours at conditioning	should I	be with ± 3 dB from initial value.
 4-6 、 Temperature cycle test :After exposure at -20 ±2 °C for 2 hours → at 25 ±2 °C for 2 hours → at 50 ±2 °C for 2 hours → 5 cycles. The sensitivity should be with ±3 dB from initial value. (The measurement should be done after 3 hours at conditioning 	(The me	easurement should be done after 3 hours [,] at conditioning
hours [,] at 50 ±2 °C for 2 hours [,] 5 cycles. The sensitivity should be with ±3 dB from initial value. (The measurement should be done after 3 hours at conditioning	25±2 °C	2.)
The sensitivity should be with ± 3 dB from initial value. (The measurement should be done after 3 hours at conditioning	4-6 · Temperature cycle test	After exposure at –20 \pm 2 °C for 2 hours \cdot at 25 \pm 2 °C for 2
(The measurement should be done after 3 hours at conditioning	hours ,	at 50 \pm 2 °C for 2 hours \cdot 5 cycles.
	The ser	sitivity should be with ± 3 dB from initial value.
25±2 °C.)	(The me	easurement should be done after 3 hours at conditioning
	25±2 °C	2.)



5 · Dimension:



Unit : mm