

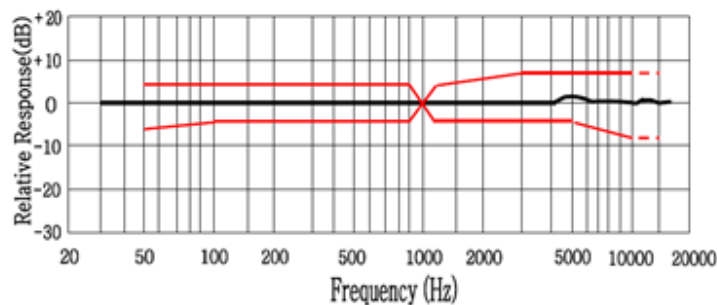
Mikrofon EMY-9745N-42

Art.-Nr.: 200400

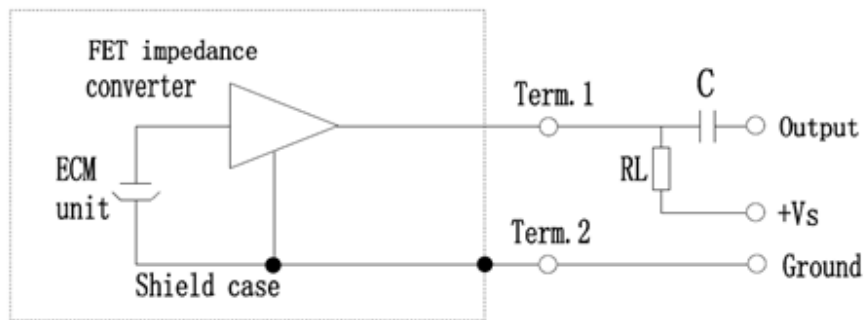
Specification :

Electrical Specifications:		
3.1	Sensitivity Range	-42±3dB RL=2.2KΩ Vs=4.5V(1KHz 0dB=1V/Pa)
3.2	Impedance	Max. 2.2KΩ 1KHz (RL=2.2KΩ)
3.3	Frequency	20-16000 Hz
3.4	Current Consumption	Max.0.5mA
3.5	Operation Voltage Range	1.0V-10V
3.6	Max. Sound Pressure Level	110dB S.P.L
3.7	S/N Ratio	More than 58dB
3.8	Sensitivity Reduction	3.0V-2.0V Sensitivity Variation less than 3dB
3.9	RoHS and REACH compliance	YES

3.10 Typical Frequency Response Curve



3.11 Schematic Diagram:

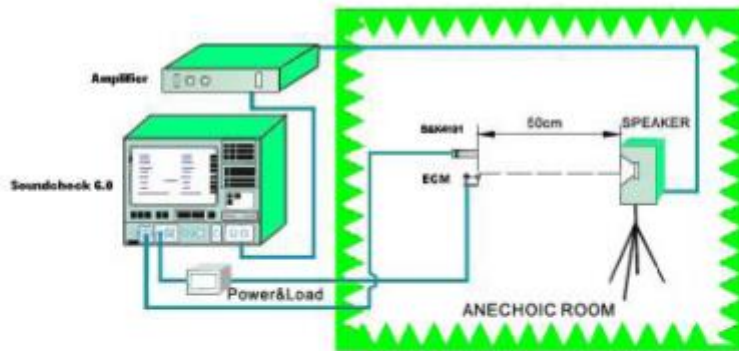


$R_L=2.2K\Omega$, $V_S=4.5V$ $C=1\mu F$

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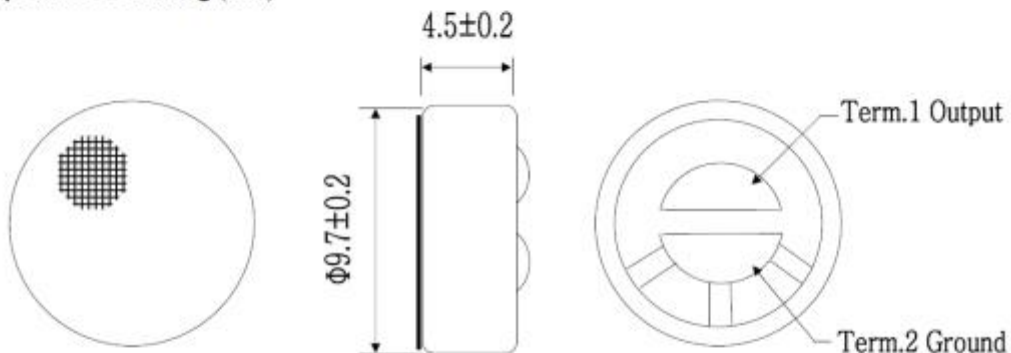
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3.12 Test Setup Drawing:



Mechanical Specifications:

4.1 Appearance Drawing (mm)




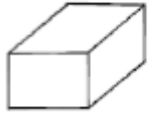
4.2 Weight

0.20g

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 240 Hours, and expose to room temperature for 3 Hours.
5.2	Low-Temp. Test	The microphone unit must be subjected to -20°C for 240 Hours, and expose to room temperature for 3 Hours.
5.3	Humi.&Heat Test	The microphone unit must be subjected to $+60^\circ\text{C}$, 93% RH-for 240 Hours, and expose to room temp for 3 Hours .

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5.4	Thermal Shocking Test	The microphone unit must be subjected to a environment from - 20℃ for30 minutes to the end of +70℃ for 30 minutes, which shall be repeated 5 cycles and exposed to room temperature 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.		
Environmental Condition:				
6.1	Storage condition	-40℃~+75℃ R.H. less than 90%		
6.2	Operation condition	-20℃~+70℃ R.H. less than 90%		
6.3	Arbitration condition	Temperature : 20℃ ± 1℃ Relative humidity: 63%~67% Air pressure : 86~106Kpa		
Packaging				
---	DRAWING	QTY (PCS)	SIZE(mm)	MARKING
INNER BOX		100	100X100X8	AS CUSTOMER'S P.O
OUTER BOX		15000	425 X 265 X 110	AS CUSTOMER'S P.O
Output Inspection standard				
Output inspection standard is executed according to (GB/T2828. 1-2003) .				