SPECIFICATIONS		
01	**Electret Type**	Foil type
02	**Sensitivity**	-60±3dB (0dB=1V/Pa,1KHz) Band form 300 to 3K Hz
03	**Output Impedance (Max)**	2.2KΩ
04	**Directivity**	Omnidirectional
05	**Frequency Range**	50-16,000Hz
06	**Max.Operation Voltage**	10VDC
07	**Standard Operation Voltage**	3VDC
08	**Current Consumption**	0.5mA
09	**Sensitivity Reduction**	Within -3dB 0dB=1V/Pa,1KHz Vs=1.5 to 1.0V
10	**S/N Ratio**	> 58dB
11	**Operating Temperature**	-20~+60℃
12	**Storage Temperature**	-40~+70℃

2. MEASURING METHOD

2-1. Test Condition

Standard Conditions:

Generally Temperature 15~35℃

Generally Humidity 45~85%

Generally Atmospheric Pressure 860~1060hpa

Basic Test Conditions:

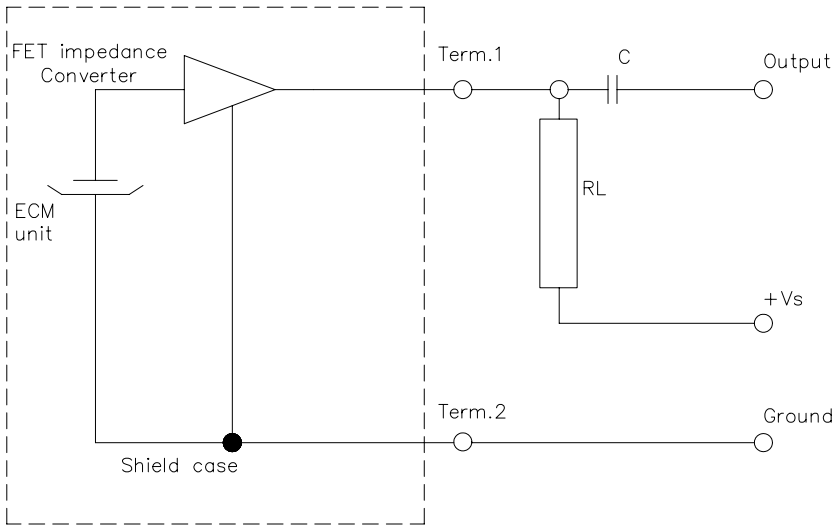
Temperature 20±2℃

Humidity 60~70%

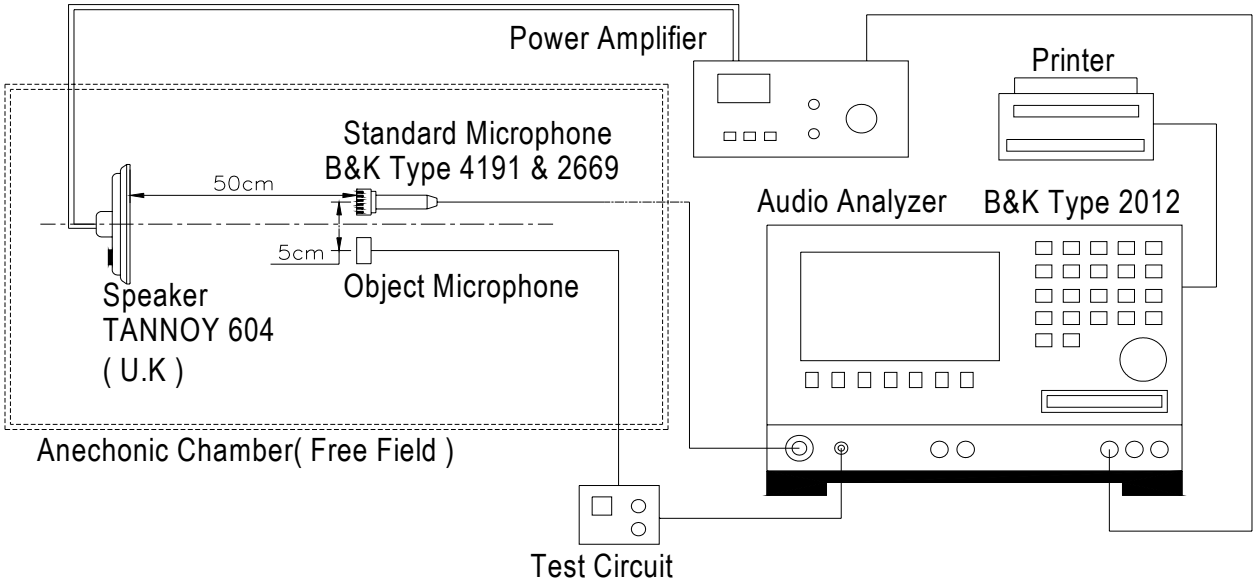
Generally Atmospheric Pressure 860~1060hpa

2-2. Standard Test Circuit

Vs=1.5V RL=1.5KΩ Te=20℃ R.H.=60%

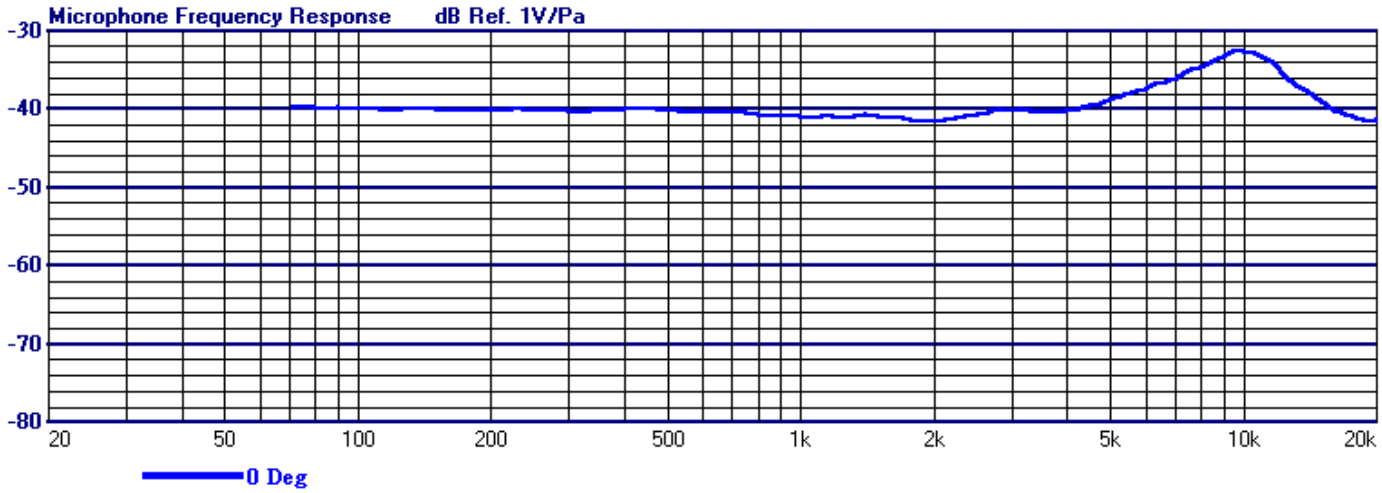


2-3. Standard Test Fixture

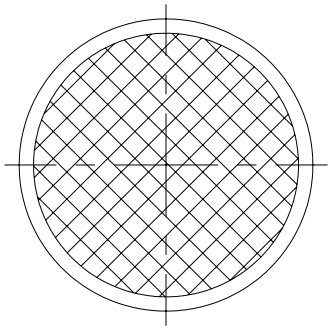


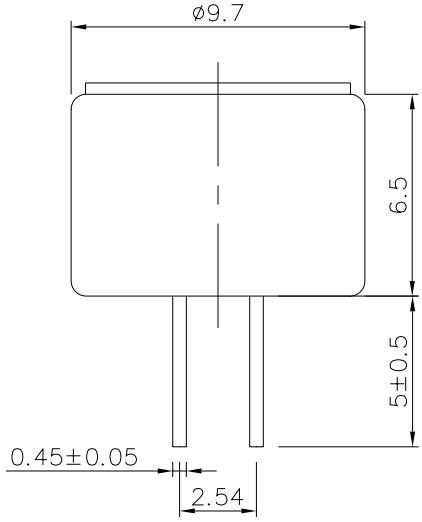
2-4. Frequency Response Curve

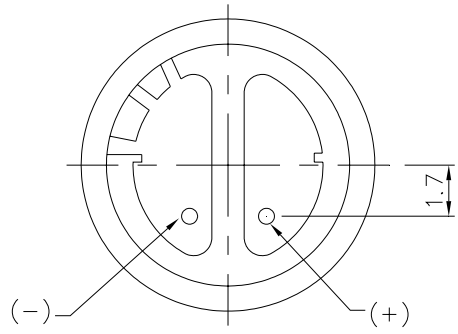
X : 1000 Hz
Y : -41.0 dBV/Pa
Y : -38.8 dBm/Pa
D : 0.0 dB



Date	Rev.	Description







MATERIAL		**GOLDSUN ELECTRONICS CO., LTD.**	
DRAWN: Simon Yeh		JAMECO NO. 1950948	GOLDSUN NO. AMF-097A40-NB1-LF
VERIFY PEOPLE: Alvin Lin		Description MIC CART, 10VDC, 2 LEADS SENS: -60+3db, 50Hz-16KHz	Rev. 1
DCC. NO.		UNIT: mm / SCALE: / SHEET 1 OF 1	CAS No: ERN No:
A4 DRAWING NO.			

4. RELIABILITY TEST

Item		Test Conditions	Evaluation Standard
01	**High Temp. Test**	After exposure at 70℃ for 200 hours	After any tests , the sensitivity to be within ±3dB of initial sensitivity after 3 hours of conditioning at 20℃ and shall keep their initial operation and appearance.
02	**Low Temp. Test**	After exposure at -25℃ for 200 hours	
03	**Temp. Cycle Test**	After exposure at 70℃ for 30 minutes, at room temp. for 10 minutes, at -25℃ for 30 minutes, at room temp. for 10 moniutes, at 5 cycles	
04	**Humidity Test**	After exposure at 40℃ and 90±5% relative humidity for 200 hours.	
05	**Vibration Test**	10~50Hz for 1minute full amplitude 1.52mm ,for 2 horous at three axises .	
06	**Drop test**	The microphone unit without packaged must be subjected to each 3 drops at three axises from the height of 1 meter to 20mm thick hardwood.	
07	**Pull Strength Test**	The microphone assembly shall suffer no change from a pull strength of 0.5 kg for 3 seconds applied between the connector and the microphone.	

5. SOLDERING CONDITION

Every Mic. has installed FET., The FET. is easy broken by strong heat and static electricity, so when you working on, pls be attention that :

a. Recommend using constant branding iron in **15 ~ 30W**, and in temperature range **300°C**.
b. Soldering time **2** seconds.
c. Don't stay any hole or dust when soldering.
d. To avoid the Mic. be broken by static electricity, the people and working station should install **prevent static electricity equipment.**