

# Specification of Micro Speaker for GlobalSat TR-600/TR-600G

## 1. Product Outline

1-1 Scope	This specification is applied for Micro speaker.
1-2 Dimension	As shown in fig (1).
1-3 Net Weight	Approx.180g

## 2. Electrical and Acoustical Characteristics

2-1 Test Set Up	Measuring conditions and procedures shown in fig (2).
2-2 Nominal Impedance	$8 \Omega \pm 15\%$
2-3 Resonant Frequency	$600 \text{ Hz} \pm 20\%$
2-4 Sound Pressure Level	$88 \pm 3 \text{ dB}$ average : 500Hz ~ 3000Hz. Input 2.83Vrms sine wave 50cm by IEC268-5 1/2 standard baffle
2-5 Frequency Response	Fo ~ 15KHz , As shown in fig (3)
2-6 Input Power (Nom./Max.)	1.0W /2.0W
2-7 Audible Noise	Must not be audible noise (buzzes and rattles) At 2.83V Sine wave between 50Hz ~ 5000Hz
2-8 Distortion	5% Max. Nominal power input 1000Hz
2-9 Polarity	When a positive DC current is applied to the voice coil terminal marked +, the diaphragm shall move forward.
2-10 Operation Temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
2-11 Storage Temperature	$-25^{\circ}\text{C} \sim +60^{\circ}\text{C}$

## 3. Reliable Test

3-1 Load Test	Must be normal after load test : white noise 1.0W /96hrs
3-2 High Temperature Test	$+70 \pm 2^{\circ}\text{C} / 20 \sim 50\% / 8\text{hrs}$ and then 1hr room temp.
3-3 Low Temperature Test	$-25 \pm 2^{\circ}\text{C} / 8\text{hrs}$ and then 1 hr room temp.
3-4 Humidity Test	$+40 \pm 2^{\circ}\text{C} / 90 \sim 95\% \text{ RH} / 8\text{hrs}$ and then 1 hr room temp.
3-5 Drop Test	The speaker contained in a normal box onto a board 5mm thick 2 times from 1.0M height.

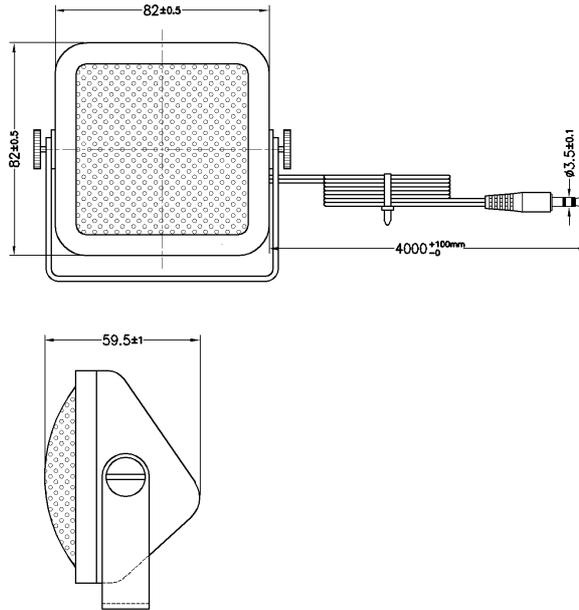
Test result of 3-1 ~ 3-5 should be satisfy 2-2 ~ 2-8.

## 4. Remark

At the same spec of material changed without notice, due to the environmental protection, material sources and process improvement norms etc.

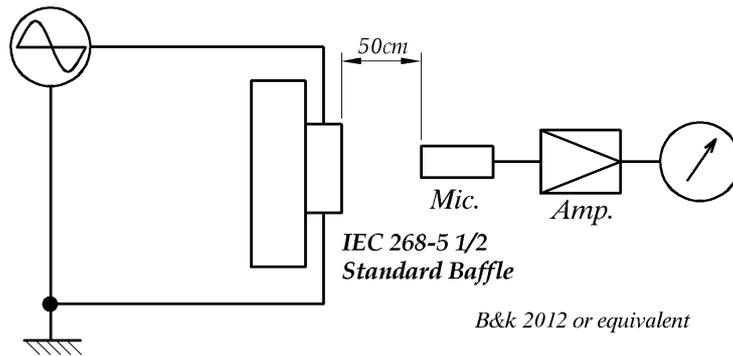
Dimensions Unit: mm  $\pm 0.2$

(Fig. 1)



### Electrical and Acoustical Measuring Condition

(Fig.2)

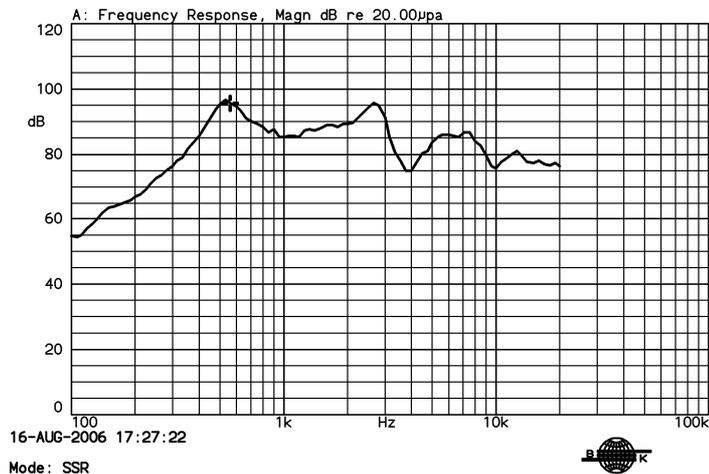


### Frequency response of LF-K8282B60A-B

Input Voltage: 2.83Vrms sine wave

Measuring by IEC268-5 1/2 std. Baffle at 50cm

K8282B60A, 2.83Vrms by IEC268-5 1/2 std. baffle 50cm  
X:560.00Hz \*Y:95.48dB ZA:Live Curve SSR Fund.



(Fig.3)