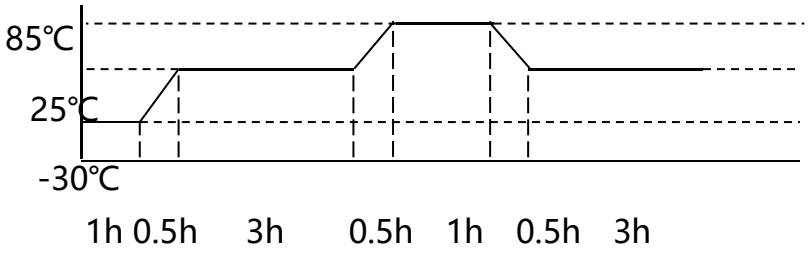
2030 SPEAKER

ELECTRICAL SPECIFICATIONS

Dimensions	20±0.2 mm*30±0.2 mm *7.0
Sound Pressure Level	99±2dB (at 0.8K,1.0K,1.2K,1.5KHz 0dB=20μPa) Measurement is as shown in fig(1), Input: 2V=0.5W
Impedance	DCR: 8±15% /ACR: 8.8±15% Ohm (at1KHz,2V)
Frequency Response	As shown in fig(2)
Rate Input Power	1.5W
Max Input Power	2.0W
Buzzes & Rattles	Must be free audible noise (From 300 Hz to5KHz frequency range,Input:2.83V)
Box Lowest Resonance Frequency	Fo:1050Hz±20%
Frequency Range	F0～20KHz
Operating Temperature	-20 C to +75 C
Store Temperature	-30 C to +85 C

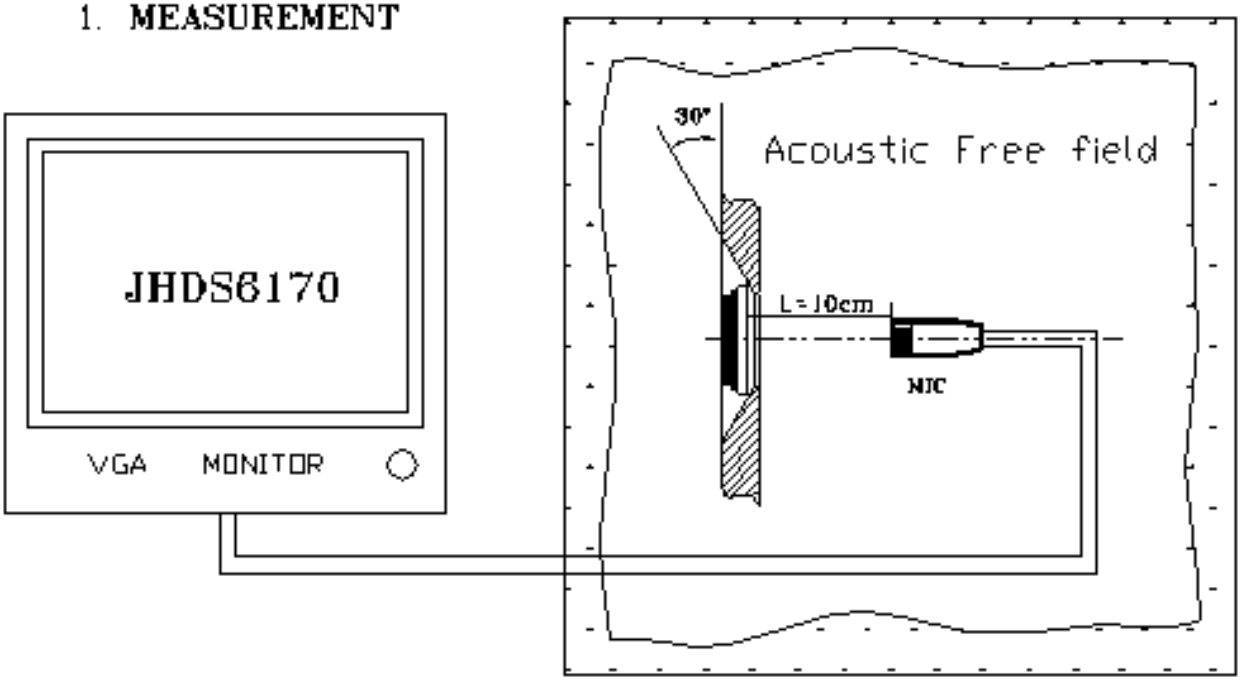
RELIABLE TEST

Standard Test Condition	Temperature：5～35℃ Humidity：45%～85% Air pressure: 860～1060hPa
General	After doing any of the following tests, the 1KHz response should not deviate from the initial value by more than 3dB.

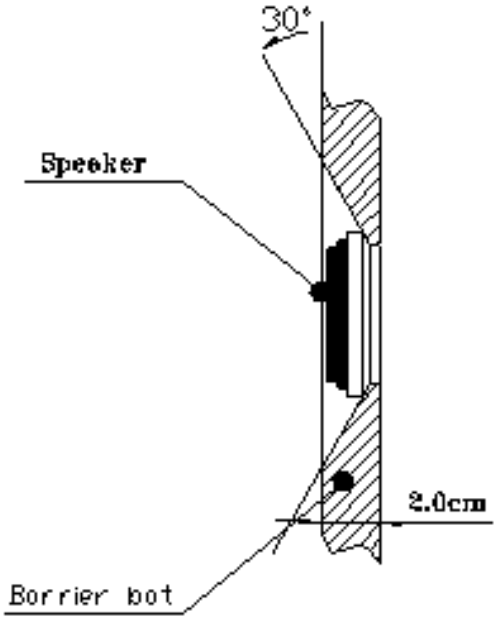
Load Test	Input Power: 3.0V Input Signal: white noise Duration: 48 hours Duration of Recovery: 4hrs of conditions at 20℃
Humidity Test	Temperature: +40℃ 3 C Relative Humidity: 90%~95% R.H. Duration: 96 hours Duration of Recovery: 4hrs of conditions at 20℃
Low Temperature Test	Temperature: -30 C 3 C Duration: 96 hours Duration of Recovery: 4hrs of conditions at 20℃
High Temperature Test	Temperature: +85 C 3 C Duration: 96 hours Duration of Recovery: 4hrs of conditions at 20℃
Temperature Cycles Test	TEMPERTURE:  Cycles: 10 Cycles Duration of Recovery: 4hrs of conditions at 20℃
Drop Test	Direction: 1 corner,3 sides,6 faces Times: Once in each directions Height: From 0.7m(on the concrete) Duration of Recovery: 4hrs of conditions at 20℃ According to the packaging entity corner trigonometry six sides for the free fall test, the entity appearance needs to be normal.
Vibration Test	Vibration: 10-55Hz Amplitude: 1.5mm Times: 1 hour in each of 3axes Duration of Recovery: 4hrs of conditions at 20℃

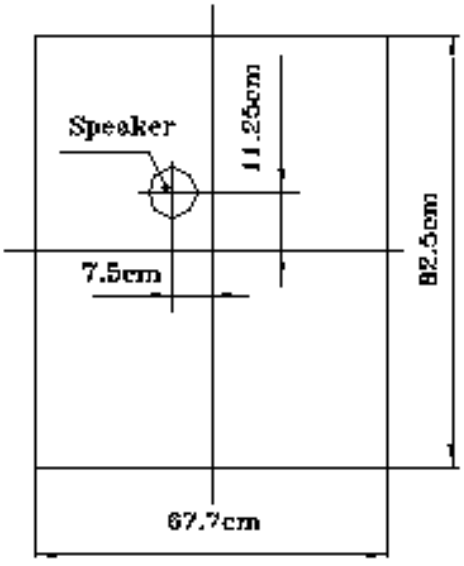
ELECTRICAL AND ACOUSTICAL MEASURING CONDITION (fig.1)

1. MEASUREMENT



2.Measurement Board(IEC-268-5)

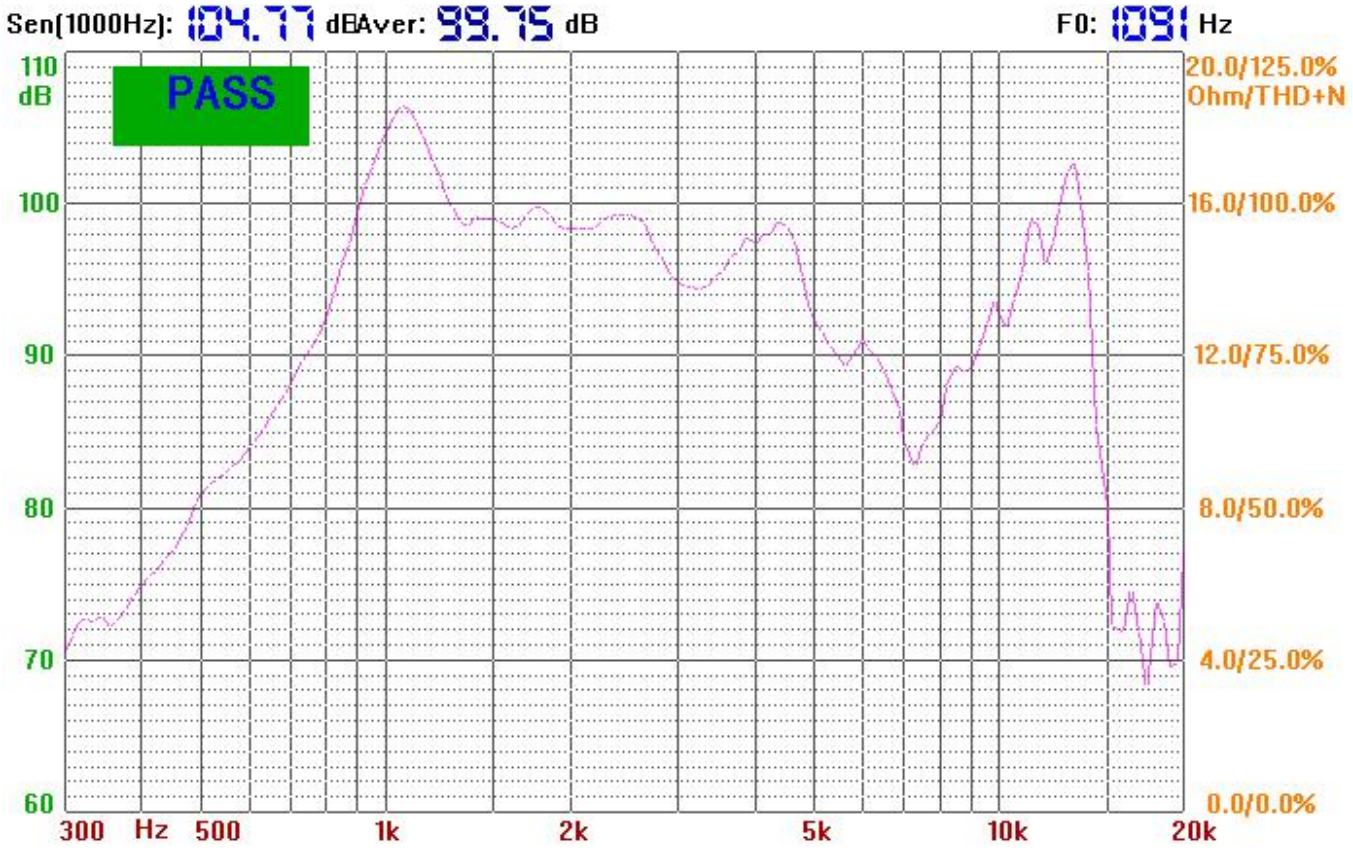




FREQUENCY RESPONSE (fig.2)

MYLAR SPEAKER

EFFICIENCY 99±2dB (0dB=20.0μPa)at S.P.L

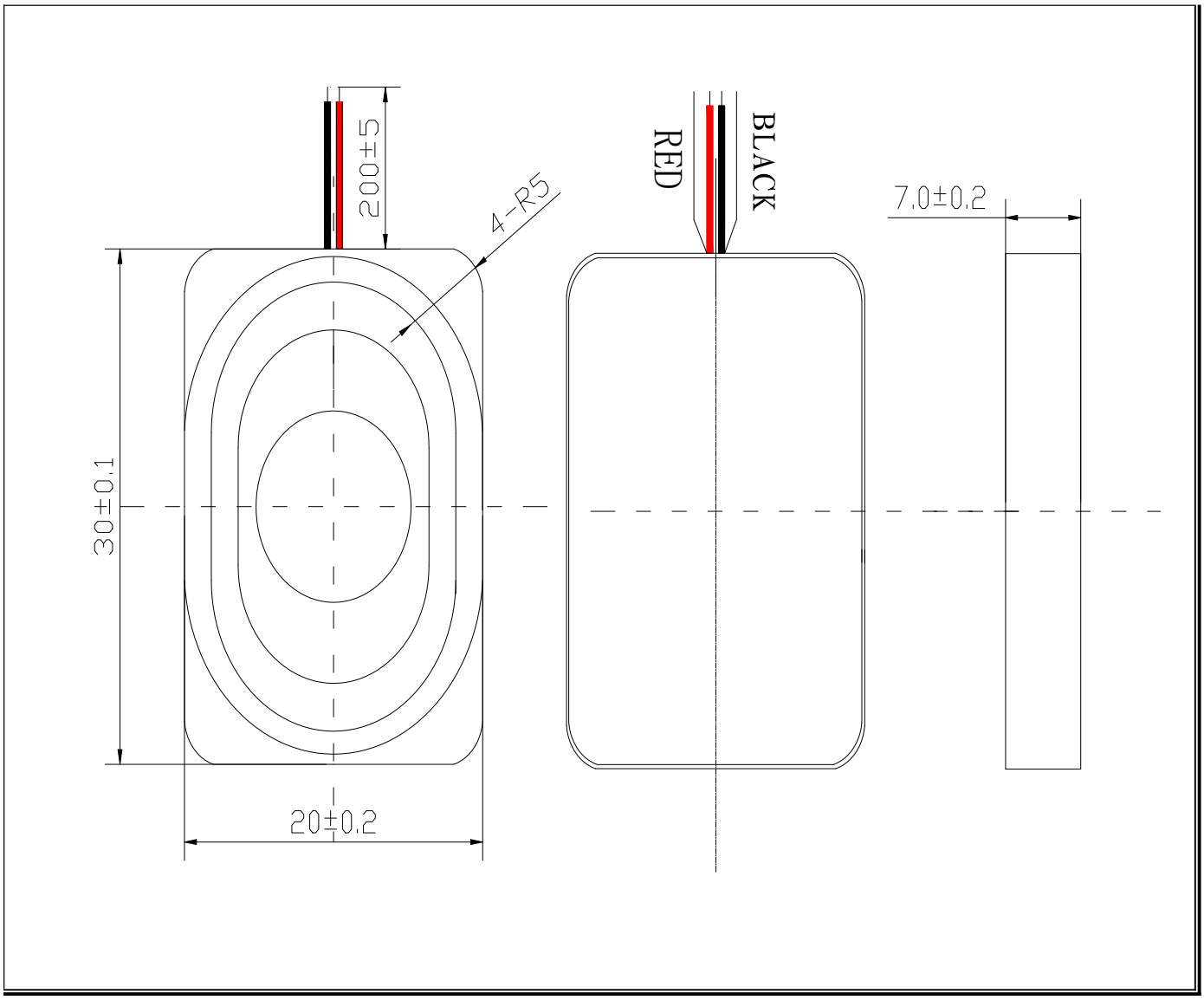


Efficiency

Source Impedance Zs=0 Ohms

Open-Circuit Level 0.5W/10cm

DIMENSIONS (fig.3)



PRODUCT PACKAGE (fig.4)