

DATASHEET

客户				
客户型号				
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工厂型号	N40R8			
物料编码				
版本				
制作日期	2020-04-05			
供应商确认栏				
编制	电子审核	结构审核	品质审核	核准/盖章
客户确认（确认请回签）： 日期：				

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SPECIFICATION FOR SPEAKER

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1. DESCRIPTION

This specification covers our product of dynamic speaker unit for mobile telephone use.

2. MECHANICAL LAYOUT & DIMENSIONS

Shown in Fig.5

3. GENERAL REQUIREMENTS

3.1 WEIGHT: Approx 2.5 gram

3.2 OPERATING TEMPERATURE RANGE: -20°C ~ +60°C

3.3 STANDARD TEST CONDITIONS:

Temperature:	17~25°C
Relative Humidity:	45%~80%(RH)
Air Pressure:	860~1060 hPa

3.4 JUDGEMENT CONDITIONS:

Temperature:	20±2°C
Relative Humidity:	60%~70%(RH)
Air Pressure:	860~1060 hPa

4. SPEAKER MODE

4.1 SOUND PRESSURE LEVEL

96±3dB SPL at:0.1W0.1M0.89V

Measuring condition: 2.0W (Sine wave) 0.1m measured with baffler shown in Fig.1.

4.2 IMPEDANCE:50±15% Ω(@2KHz 1V) without baffler

4.3 MEASURING DIAGRAM: Shown in Fig.1.

4.4 TYPICAL FREQUENCY RESPONSE CURVE: Shown in Fig.2.

4.5 RATED POWER.0.15W. MAX POWER: 0.2W

4.6 RESONANCE FREQUENCY (F0) FO:560±20%HZ: @ 1V. (Without Baffler)

4.7 DISTORTION: less than 10% at 1KHz, 0.1W 0.1M

4.8 BUZZ RATTLE: Must be normal with input of sine wave 1.2V(Vrms) (300Hz~5KHz)

4.9 VIBRATION MODE

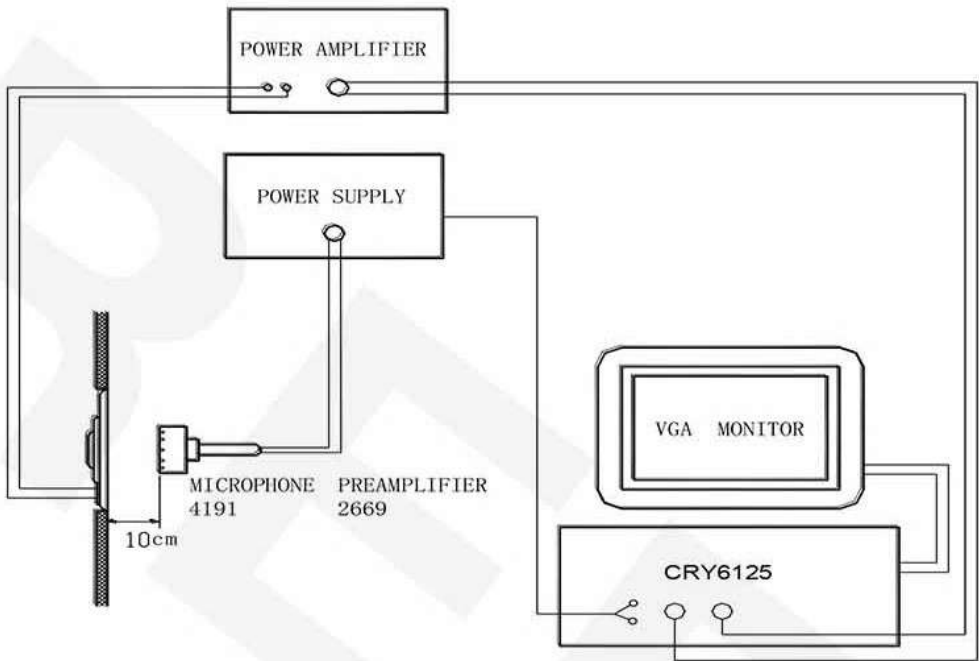
5.0 RATED INPUT:1.2V. MAX INPUT:1.5V

5.1 RESONANCE FREQUENCY (F0): @ 3.5V. (Mounted with dummy set mass 100g)

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■ HANGZHOU JIGAO ELECTRIC SOUND TECHNIC CO.,LTD



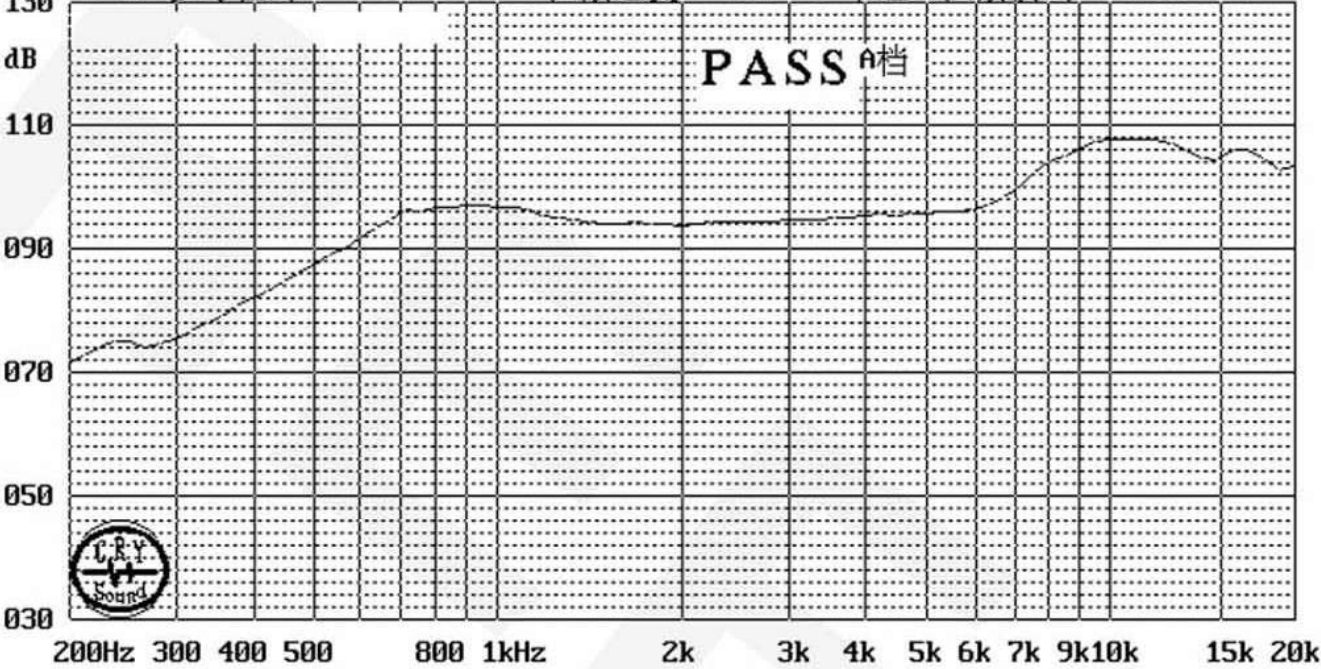
TYPICAL FREQUENCY RESPONSE CURVE: Shown in Fig.2.

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11/04/2013 10:09	CRY6125Y 扬声器测试仪 V91	无框 滤波器1次
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DCR=_____Ω 1000Hz灵敏度 : 096.48 dB ACZ: _____Ω Qm: _____
Veq=_____dm3 → 平均灵敏度 : 097.96 dB Zm : _____Ω Qe: _____
Dist.=010 cm F1= 10Hz F2=40000Hz F0 : _____Hz Qt: _____
型号: _____
0 dB 参考值为 : 20.0 μPa 扫频速度 : 006 ms 中速 扫频模式 : 1/12 Oct



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6. RELIABILITY TESTS

The sound pressure as specified shall neither deviate more than ±3dB from the initial value, nor any si

6.1 HIGH TEMPERATURE TEST

High temperature:	+70±2°C
Duration:	96 hours

6.2 LOW TEMPERATURE TEST

Low temperature :	-40±2°C
Duration:	96 hours

6.3 HEAT SHOCK TEST (See in Fig.3)

High temperature:	+70±2°C
Low temperature:	-40±2°C
Changeover time:	< 30 seconds
Duration:	1 hour
Cycle:	100

6.4 HUMIDITY TEST

Temperature:	+40±2°C
Relative humidity:	90~95%
Duration:	96 hours

6.5 TEMPERATURE CYCLE TEST (See in Fig.4)

Temperature:	-40°C	+70°C
Duration:	45 minutes	45 minutes
Temperature gradient:	1~3°C/min.	
Cycle:	25	

6.6 DROP TEST

Mounted with dummy set mass:	100 g
Height:	1.52 m
Cycle:	6 (1 each plain) onto the concrete board

6.7 LOAD TEST

Speaker mode: White noise for 72 hours @0.15W input power.
Speaker mode: White noise for 1 minute, 10 times at intervals of 2 minutes @0.2W input power.

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■ HEAT SHOCK TEST (Fig.3)

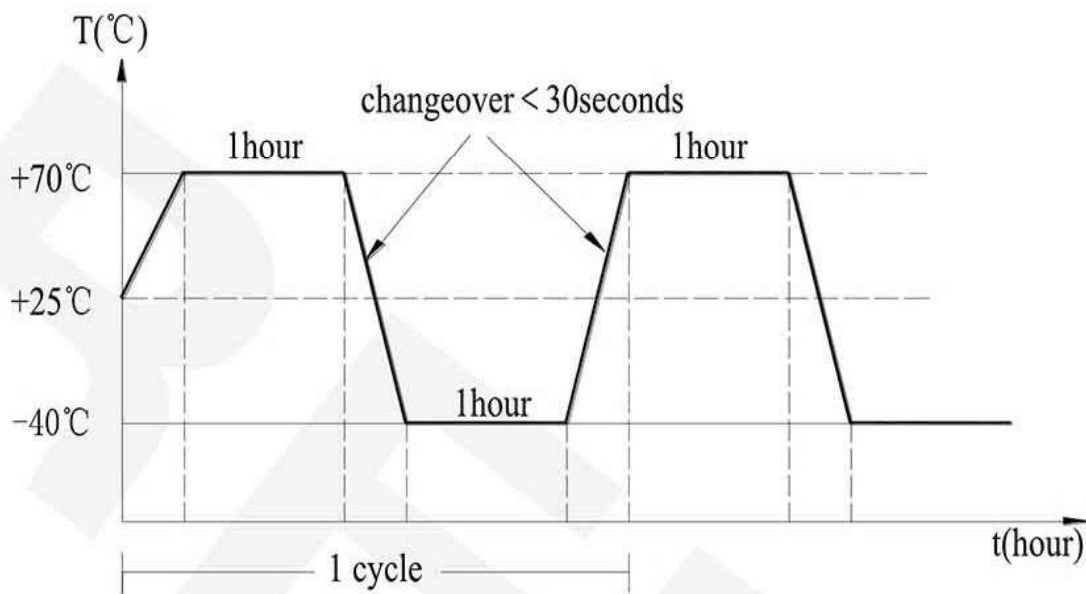


Fig.3 Illustration of heat shock test

■ TEMP. CYCLE TEST (Fig.4)

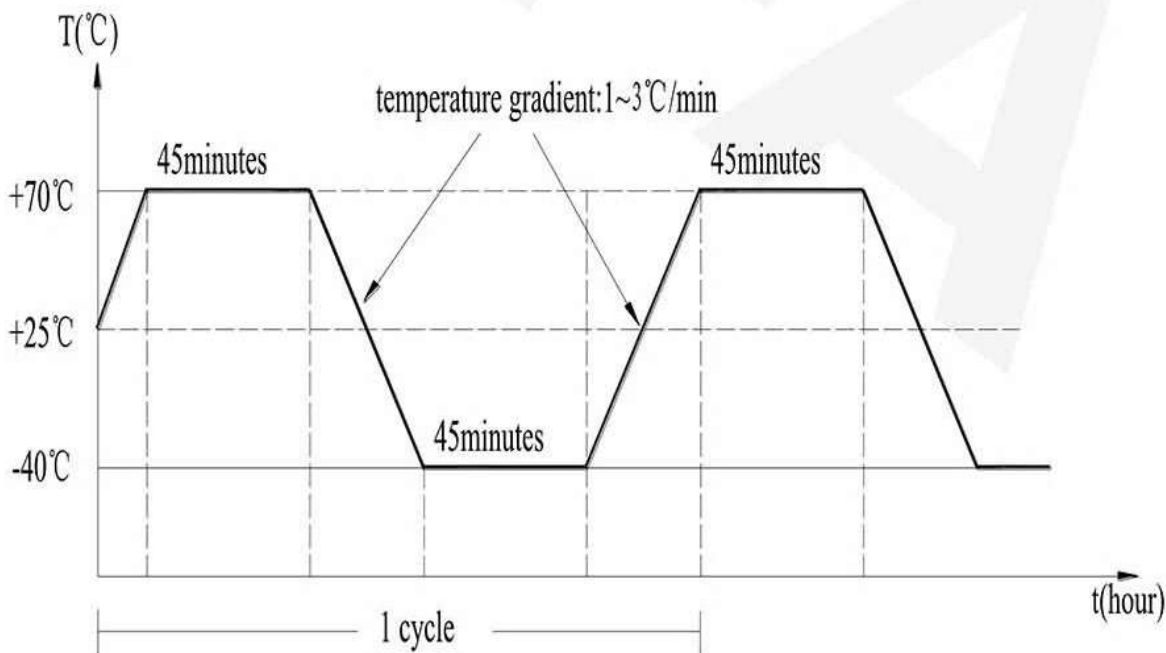


Fig.4 Illustration of temp. cycle test

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MECHANICAL LAYOUT & DIMENSIONS (Fig.5)

Unless otherwise specified, tolerance: ±0.2 (unit: mm)

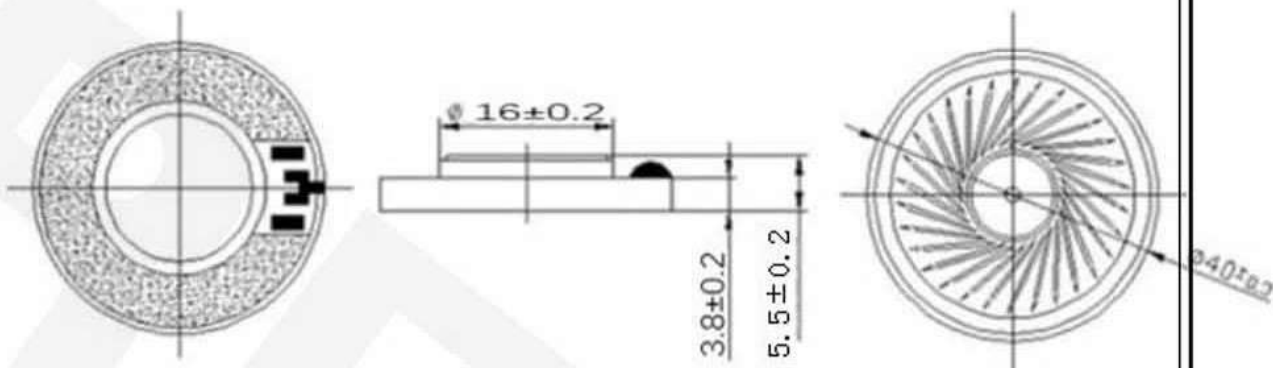


Fig.5 Mechanical layout & dimensions
Bill of Materi

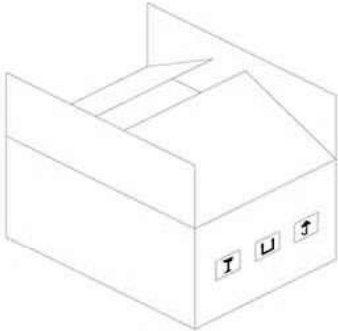
ITEM	PART NAME	MATERIAL	TREATMENT	Q'TY	REMARK
1	Foam ring	EVA		1	
2	Grid	SUS304		1	
3	Diaphragm	PET		1	
4	Voice coil	LOCK		1	
5	Inner pole plate	SPCC		1	
6	Magnet	Nd-Fe-B		1	
7	Outer pole plate				
8	Yoke ass'y	PBT		1	
9	PCB	FR-4		1	
10	Lead wire	UL1571 32AWG		1set	

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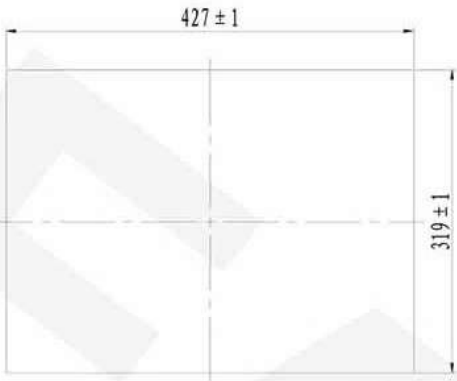
ed7. PACKING (Fig.6)

DYNAMIC SPEAKER
TYPE: BF32MM
QUANTITY:
GROSS WT:
NET WT:
VOLUME:



DRAWING OF PS (POLYSTYRENE) TRAY (BOTTOM)

DRAWING OF PS (POLYSTYRENE) COVER (TOP)



(unit: mm)

NOTE

- 1. () pcs of speaker in each tray;
- 2. () trays in one paper box.

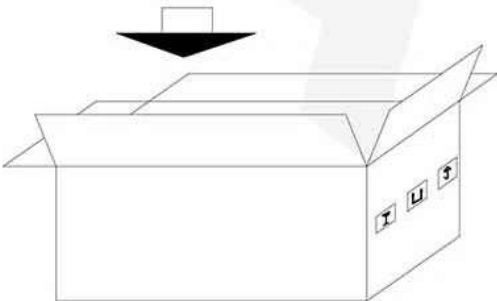


Fig.6 Illustration of packaging & marking