

## Piezo Buzzer

Product No. XXXXXX

BPR2207H0.65-F2

Issue No. BS/TER01.XXX

### Features:

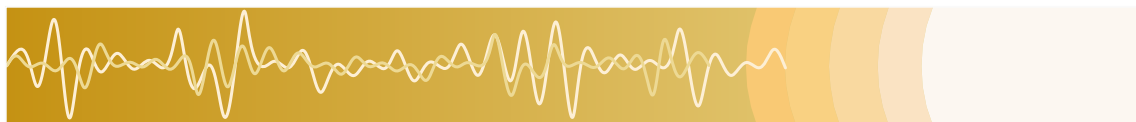
- External driving circuit
- Loud sound output
- RoHS

Drawn by	Checked by	Approved by	Customer approved
Coco.Sun	Aimee.Wei	Hansen.Tao	

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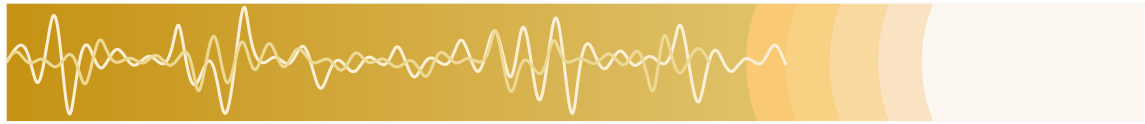




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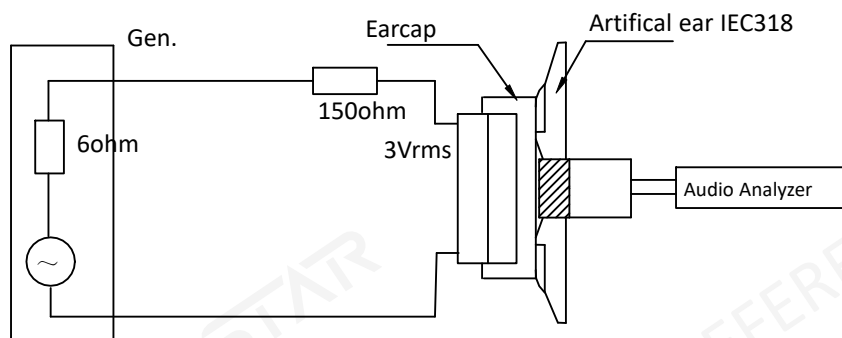


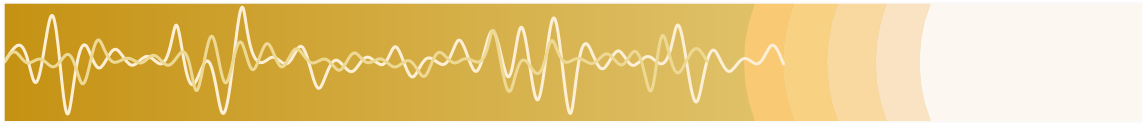
## 1.Characteristics

### 1.1Technical terms

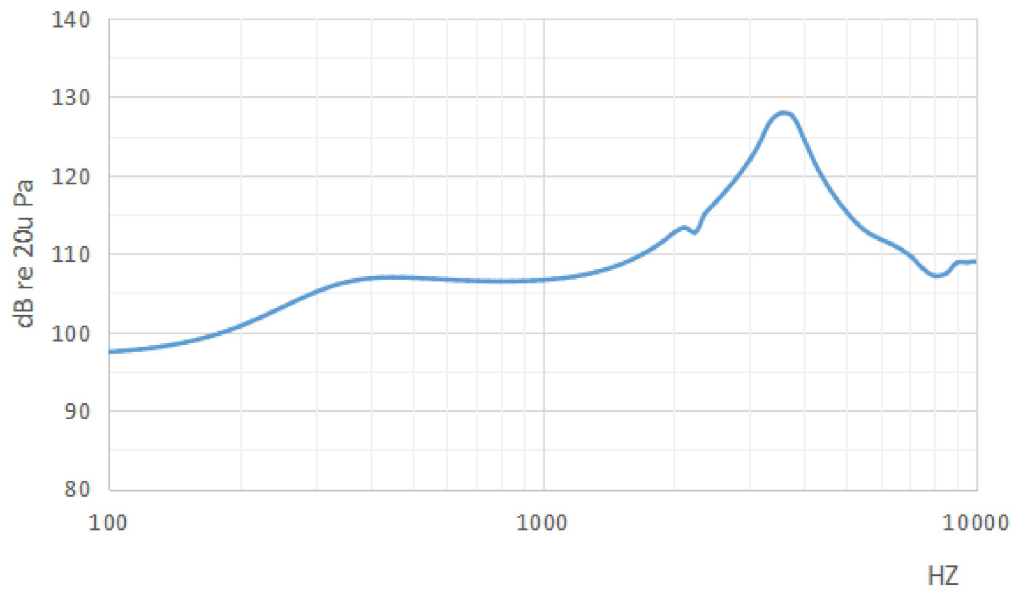
1. Operating voltage	Max.11Vrms
2. Capacitance at 1KHz	$3.5 \pm 20\% \mu\text{F}$
3. Sound Outputat (at 1KHz,3Vrms, sine wave,1CM)	$104 \pm 3\text{dB}$
4. Resonant Frequency	100~5000Hz
5. Operating Temperature	$-20 \dots +70^{\circ}\text{C}$
6. Storage Temperature	$-30 \dots +80^{\circ}\text{C}$

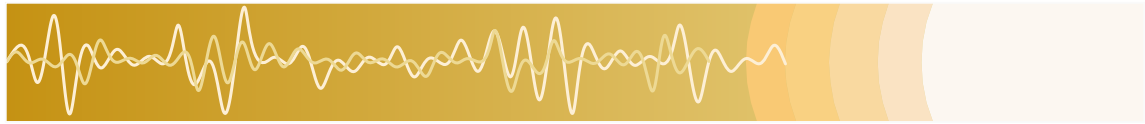
### 1.2 Test method:





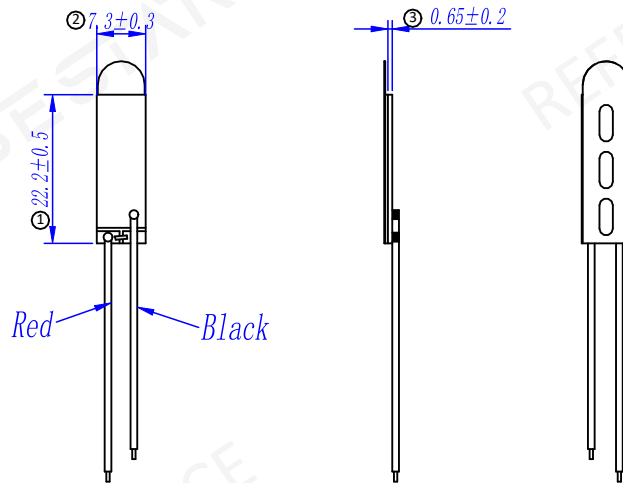
### 1.3 Frequency Response Curve (only for reference)



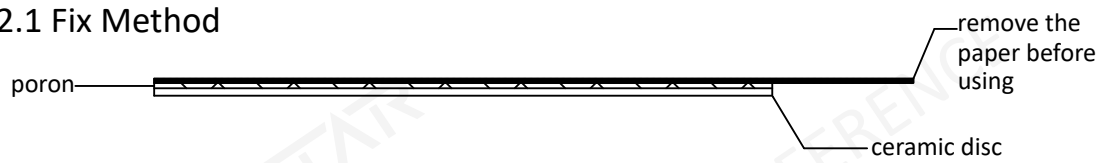


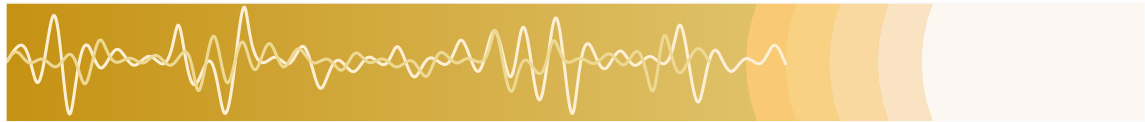
## 2. Dimension

Tolerance:  $\pm 0.5\text{mm}$



### 2.1 Fix Method





### 3. Reliability test

#### 3.1 high temperature test

Temperature	+80°C
Duration	240hrs

#### 3.2 low temperature test

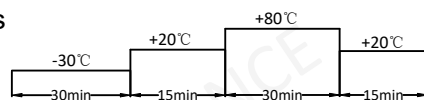
Temperature	-30°C
Duration	240hrs

#### 3.3 life test in normal temperature

Power supply	rated voltage(7Vrms sine wave)
Duration	240hrs

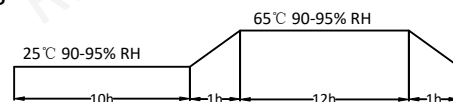
#### 3.4 temperature cycle test

Cycles	5
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#### 3.5 Humidity cycle test

Cycles	5
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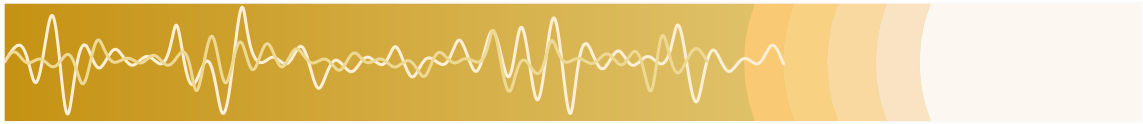


All these tests above should be measured after leaving normal temperature for 2hrs.

#### 3.6 Drop test

Height	70 cm
(to 10mm thickness woodenboard)	
Direction	3





#### 4. Packaging

TBD

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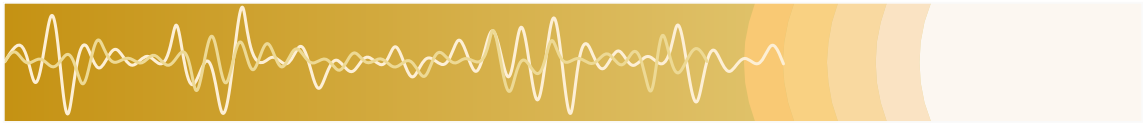
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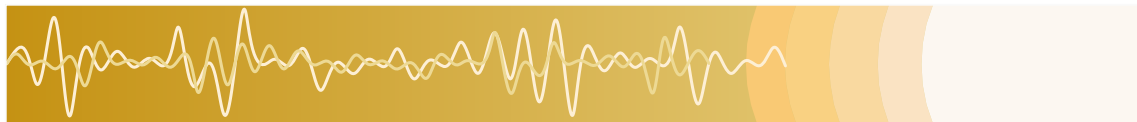


## 5. History change record

Version	Change Items	Date	Drawn	Checked	Approved
A	First Edition	2021.07.16	Coco.Sun	Aimee.Wei	Hansen.Tao







## 6. Important Notice

### 6.1 The products mustn't be washed

### 6.2 Store Condition (Packaging)

The products should be stored in the room, where the temperature/humidity is stable. And avoid such places where there are large temperature changes. Please store the products at the following conditions:

Temperature:  $-10$  to  $+40$  °C Humidity: 15 to 85% R.H.

### 6.3 Expire Date on Storage

Expire date (Shelf life) of the products is six months after delivered under the conditions of a sealed and an unopened package. Please use the products within six months after delivered.

If you store the products for a long time (more than six months), use carefully because the products may be degraded in the solderability and/or rusty. Please confirm solderability and characteristics for the products regularly.

### 6.4 Notice on Product Storage

- (1) Please do not store the products in a chemical atmosphere (Acids, Alkali, Bases, Organic gas, Sulfides and so on), because the characteristics may be reduced at quality, and/or be degraded in the solderability due to the storage in a chemical atmosphere.
- (2) Please use the products immediately after the package is opened, because the characteristics may be reduced at quality, and/or be degraded in the solderability due to storage under the poor condition.

### 6.5 Rated Voltage

For External Drive Circuitry Buzzer (V)

