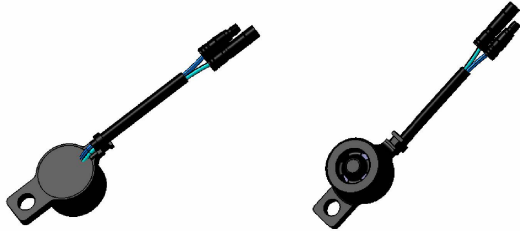


**Piezo Buzzer**

Product No. 034326

BPT3324H22W100-06

Issue No. BS/TEP01.1158



**Features:**

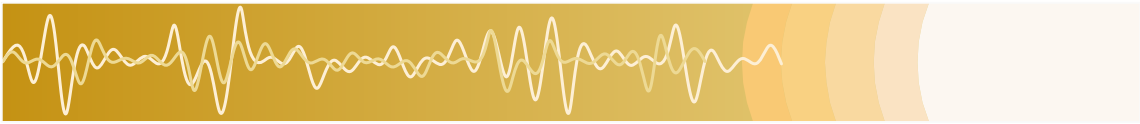
- External driving circuit
- Loud sound output
- RoHS

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

BESTAR Holdings Co., Ltd.

www.be-star.com | info@be-star.com



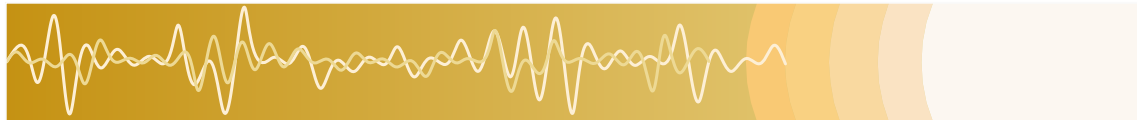


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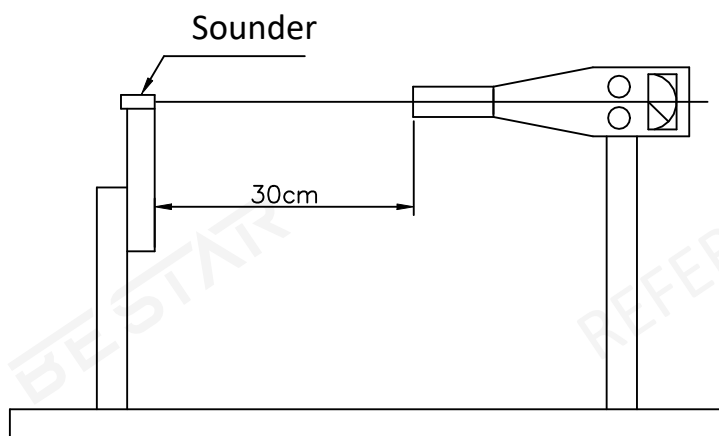


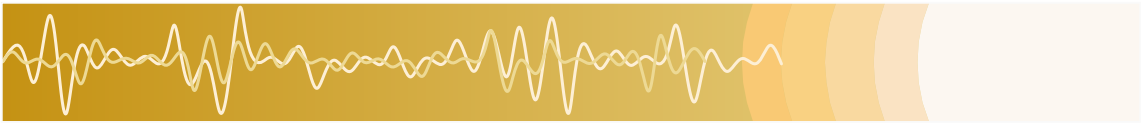
## 1.Characteristics

### 1.1 Technical terms

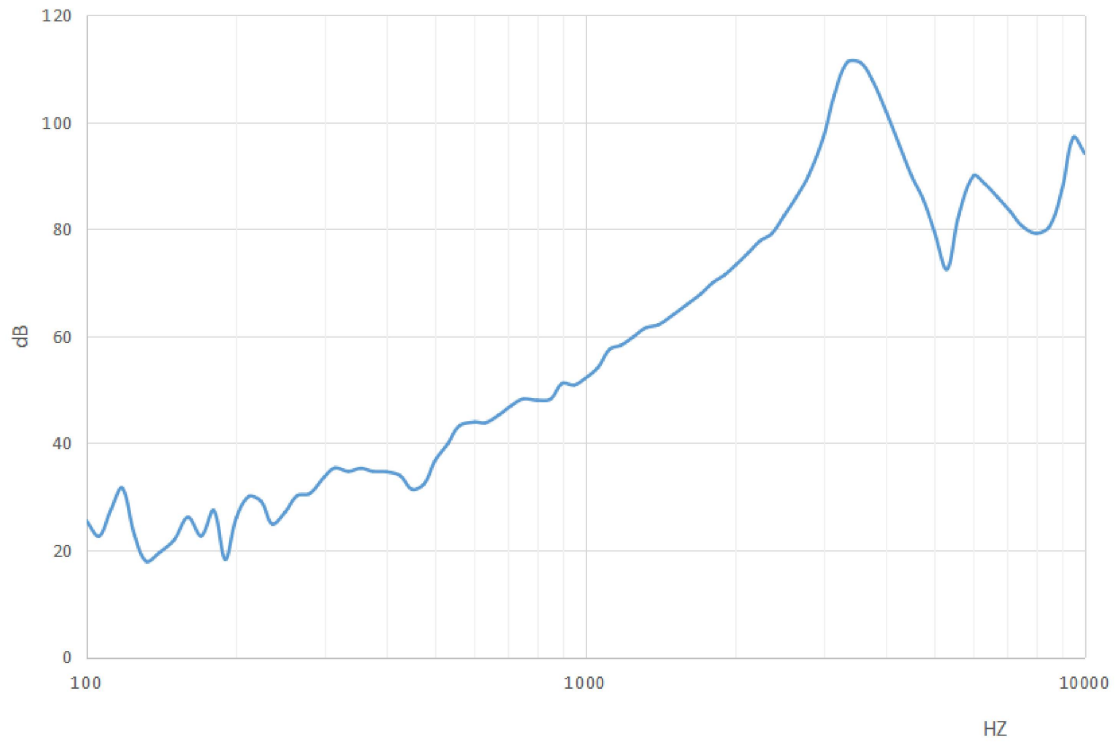
1.Rated Voltage	12Vp-p
2.Operating Voltage	3...30Vp-p
3.a)Rated Current	max.30mA
4.Capacitance at 120Hz	30nF±30%
5.a)Sound Output at 30cm,3.7KHz	min.101dB
6.a)Resonant Frequency	3700±500Hz
7.Operating Temperature	-40...+85°C
8.Storage Temperature	-40...+85°C
a)Value applying at rated voltage( 3.7KHz 1/2duty square wave)	

### 1.2 Test method:



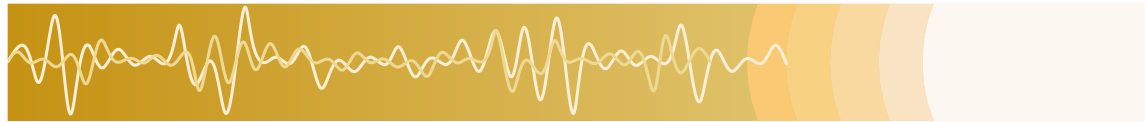


### 1.3 Frequency Response Curve (only for reference)

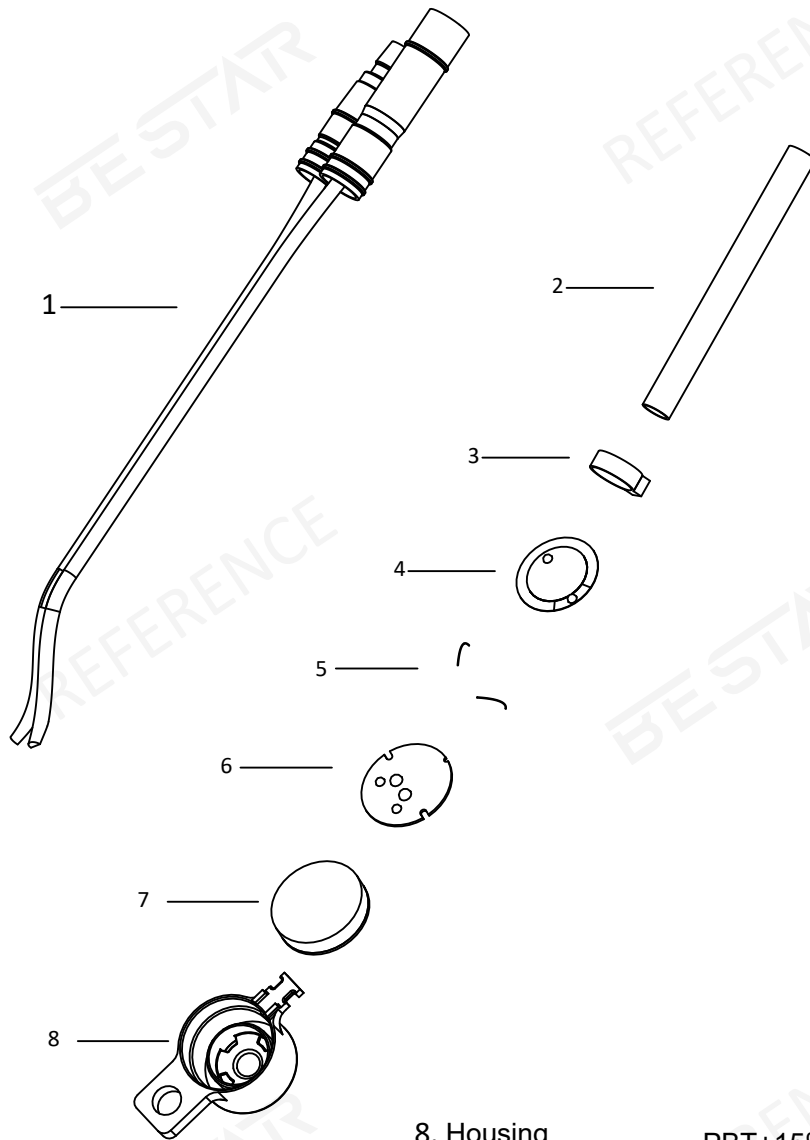


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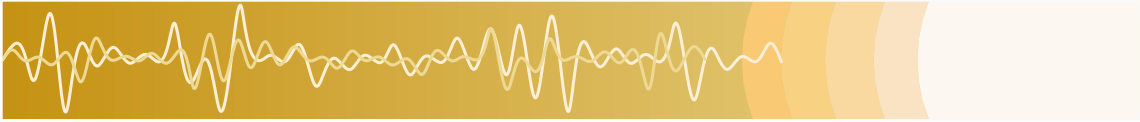


## 2.Part List

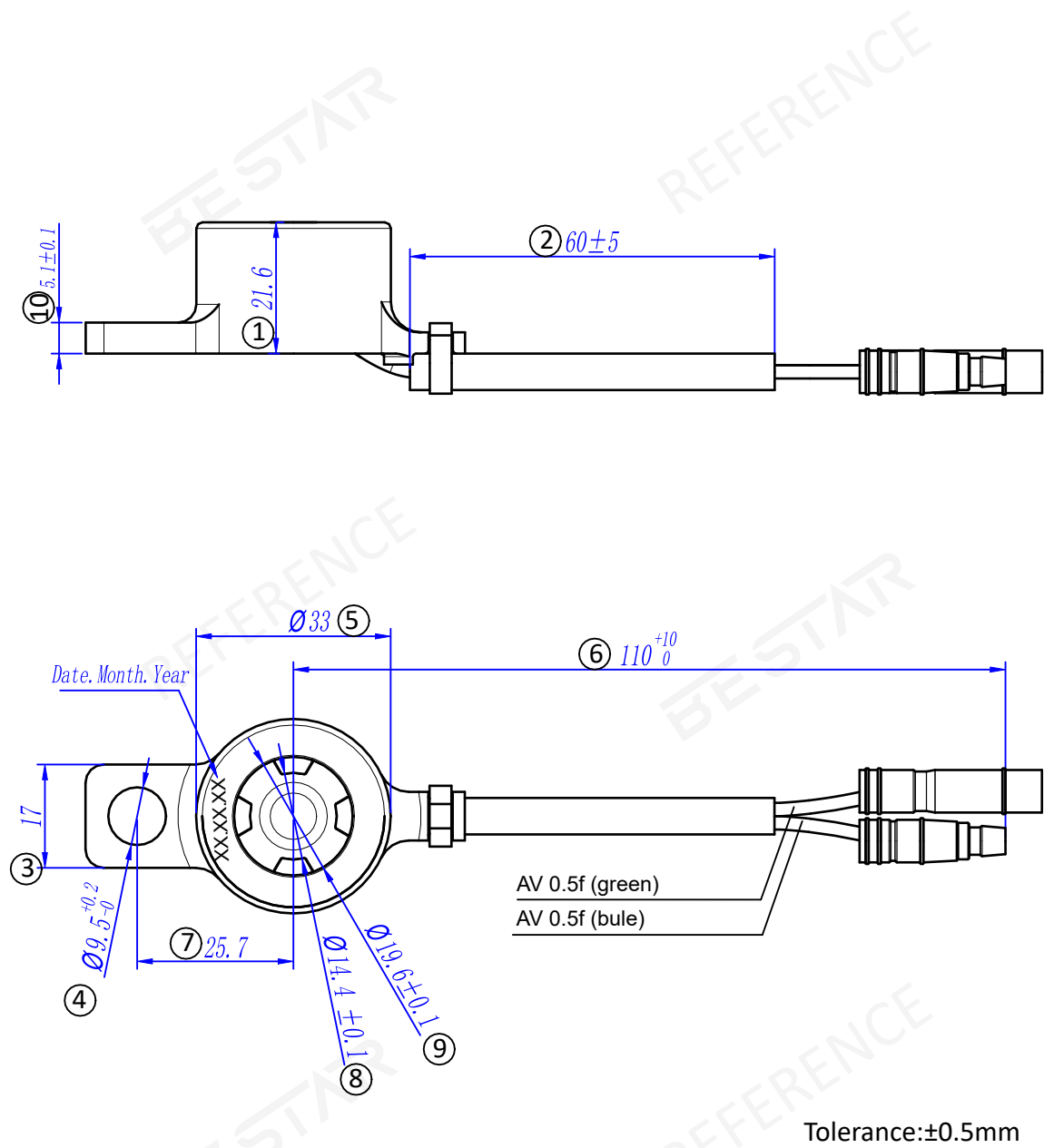


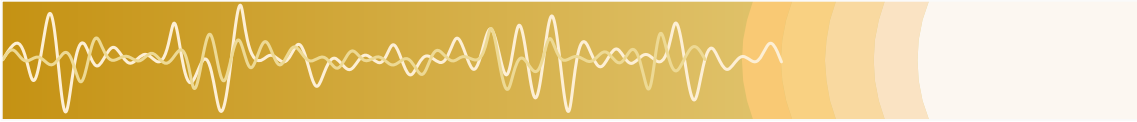
8. Housing	PBT+15%GF
7. Glue	Epoxy
6. PCB	FR-4
5. UL3302 30#	Brass
4. Piezoelectric plate	STEEL
3. Self Lock	Nylon
2. Tube	PVC
1. AV 0.5f Green/Blue	PVC+Brass





### 3. Dimension





## 4. Reliability test

### 4.1 High temperature test

Temperature	+85 °C
Duration	96hrs

### 4.2 Low temperature test

Temperature	-40 °C
Duration	96hrs

### 4.3 Temperature cycle test

Cycles	5
--------	---

### 4.4 Humidity cycle test

Cycles	8
--------	---

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

### 4.5 Life test in room temperature

Power supply	Rated Voltage 12Vp-p
Duration	1000hrs

### 4.6 Drop test

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

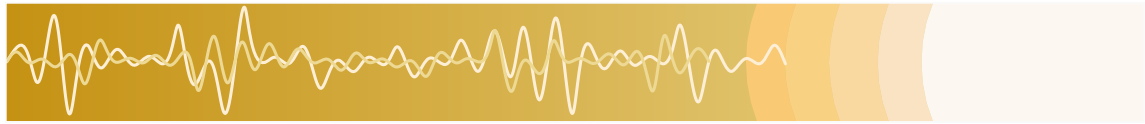
### 4.7 Power supply voltage Not apply

Test temperature	85°C/-40°C 1Hr for each cycle
Test cycle	10 cycles
85°C	T2,T4:1Hr
-40°C	T1,T3:5min Max

Notice: All specifications must be satisfied in this condition.

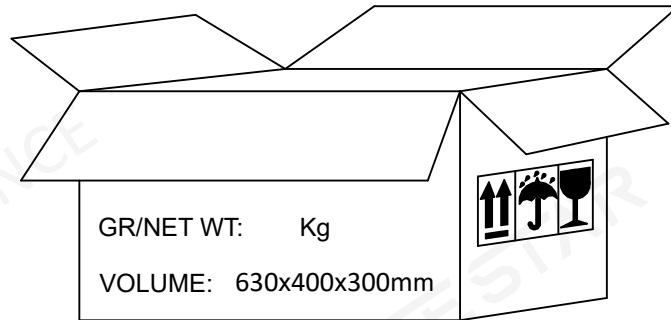
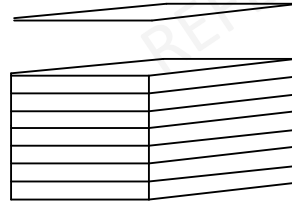
After each test, SPL Shall be 96dB Min,there is no any degradation in appearance.





## 5. Packing

### 5.1 Packing drawing (unit:mm)



### 5.2 Packing quantity

Remark:

1)60pcs/magazine

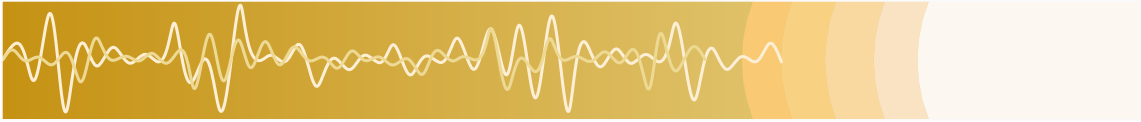
2)7magazines/carton

3)420 pcs/carton in total

4)Carton size: 630x400x300mm







## 6. History change record

Version	Change Items	Date	Drawn	Checked	Approved
A0	First Edition	2019.09.23	Coco.Sun	Aimee.Wei	Hansen.Tao

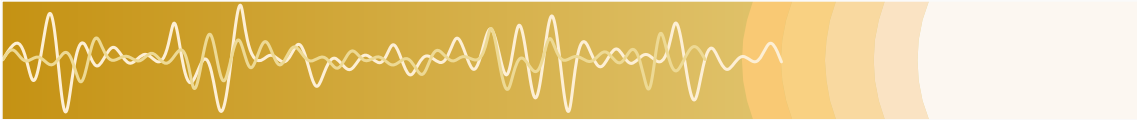
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## 7. Important Notice

### 7.1 The products mustn't be washed

### 7.2 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.

### 7.3 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.

### 7.4 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.

(3) Please do not drop the products to avoid cracking of ceramic element.

### 7.5 Rated Voltage

For Self-Contained Drive Circuitry Buzzer ( Vp-p)

