



# SPECIFICATION FOR PIEZO RECEIVER

TOTAL PAGE

07

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RoHS

Customer		Model Name	BPR2306H0.8 LF
Customer P/N		Product No.	090702
Date	23 Sep 15	Issue No.	BS/TEP01.664B
Page	01 of 07	Issue Date	2015/09/23

## Approval:

- 1.Description
- 2.Drawing
- 3.Reliability test
- 4.Packing(initial)
- 5.Notice
- 6.History Change Record

Drawn by	Checked by	Approved by	Customer approved

## **BESTAR HOLDING CO.,LTD**

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## BPR2306H0.8 LF



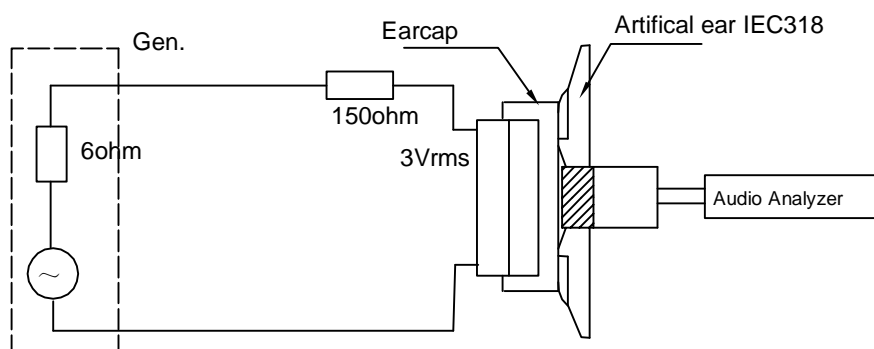
## 1. Description

1.1 The specification relates to the piezoelectric receiver intended to be used in alarm systems. Please contact us before using any of the products in the applications not described above.

## 1.2 Electrical and Mechanical Characteristics

No.	Item	Specification
1.	Sensitivity at 1KHz,3Vrms(dB)	104±3
2.	THD	≤5% (at1KHz/3Vrms)
3.	Operating Voltage	Max.11Vrms
4.	Capacitance at 1KHz	2200±10%nF
5.	Resonant Frequency	100~5000Hz
6.	Operating Temperature	-20...+70 °C
7.	Storage Temperature	-30...+80 °C

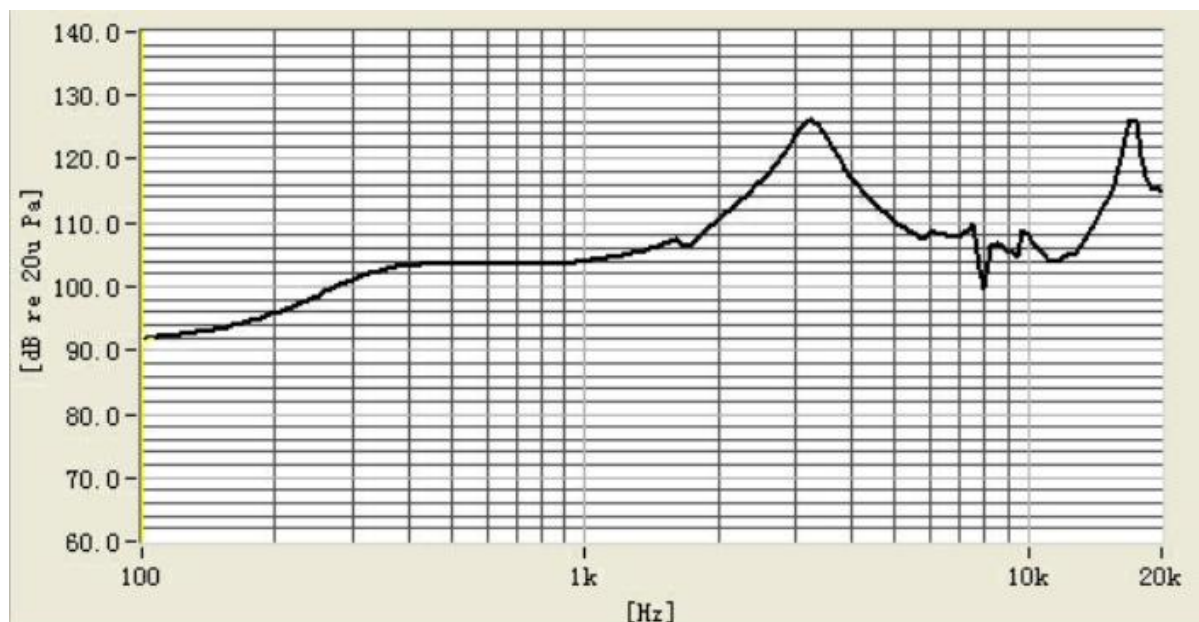
## 1.3 Test method:



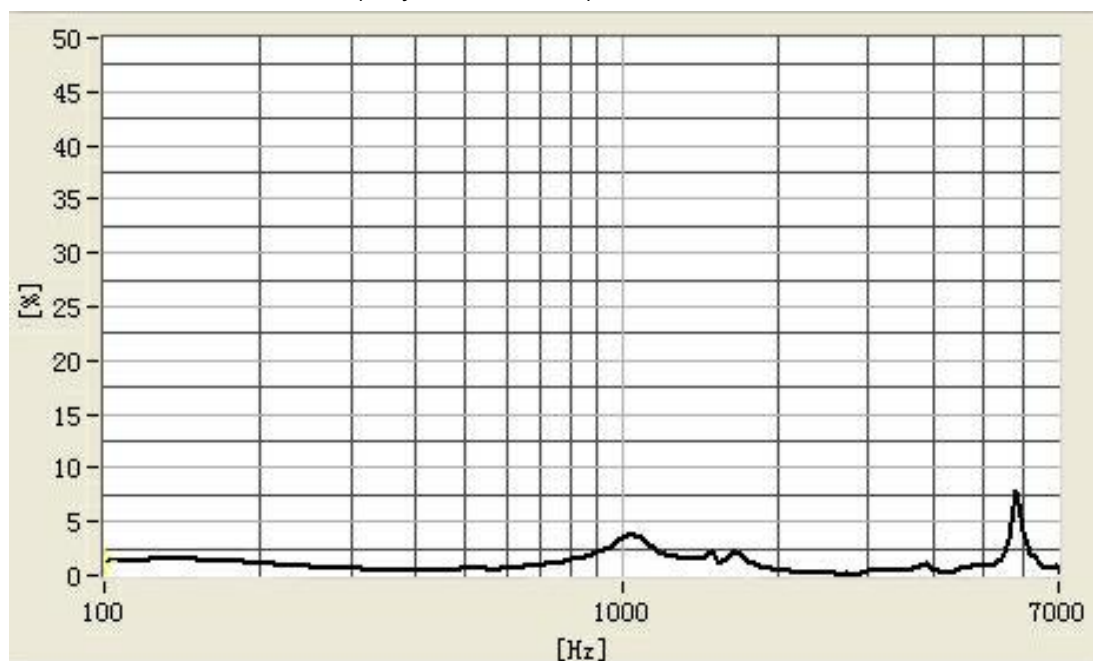
				Date:	2015/09/23	BPR2306H0.8 LF	
				Drawn by:	于 巧		
				Checked by:	赵 峥	Piezo Receiver	
				Approved by:	张秀琴		
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## BPR2306H0.8 LF

## 1.4 Frequency Response Curve (only for reference)



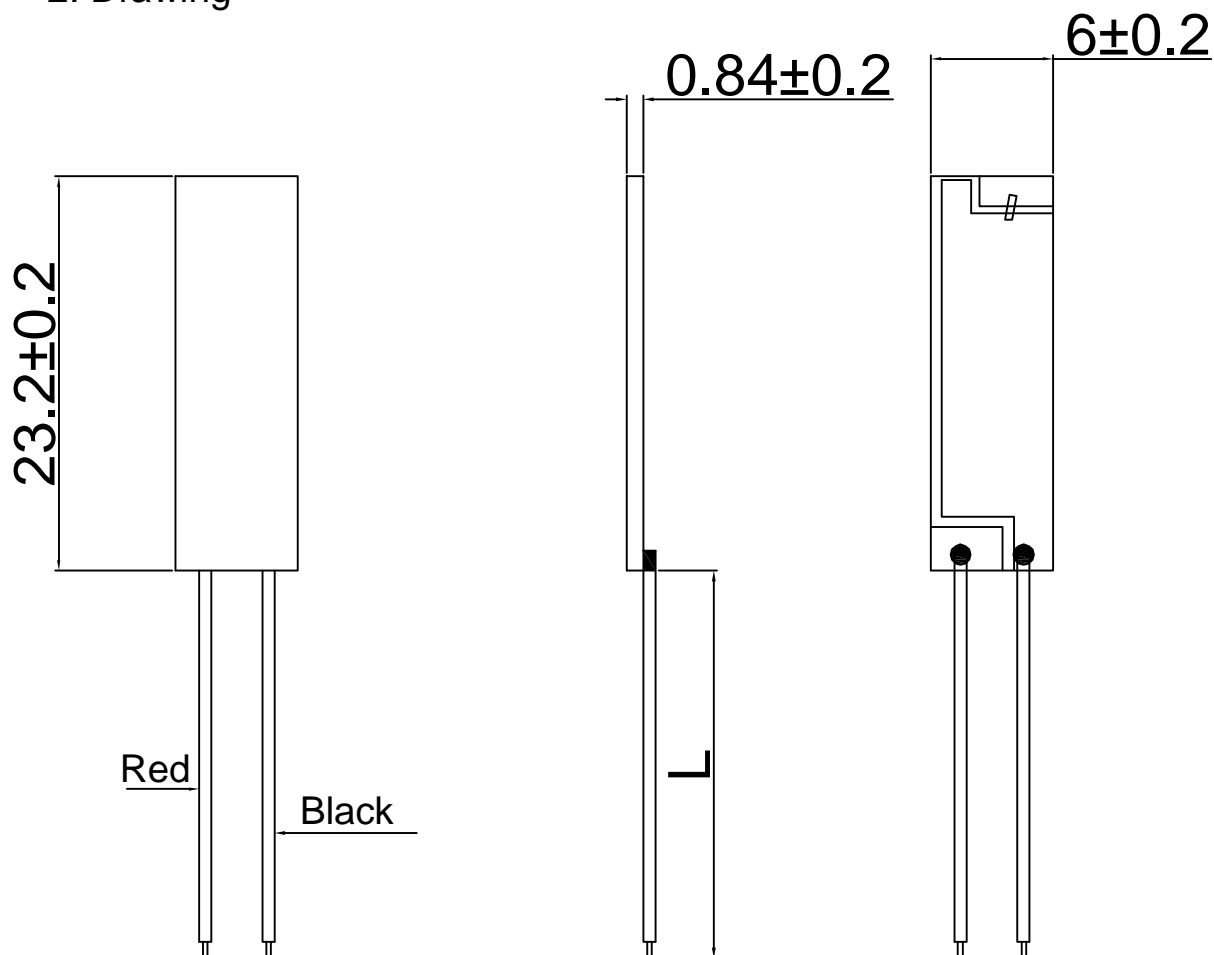
## 1.5 Total Harmonic Distortion (only for reference)



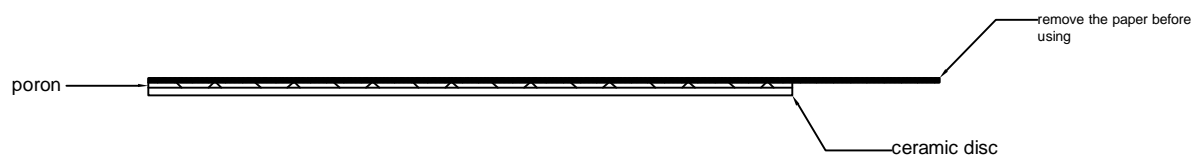
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# BPR2306H0.8 LF

## 2. Drawing



## 2.1 Fix Method



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## BPR2306H0.8 LF

## 3. Reliability test

## 3.1 high temperature test

Temperature +80 °C  
Duration 240hrs

## 3.2 low temperature test

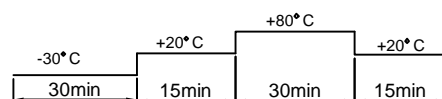
Temperature -30 °C  
Duration 240hrs

## 3.3 life test in normal temperature

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

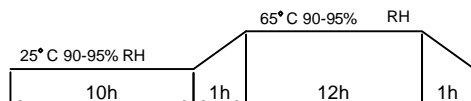
## 3.4 temperature cycle test

Cycles 5



## 3.5 Humidity cycle test

Cycles 5



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

## 3.6 Drop test

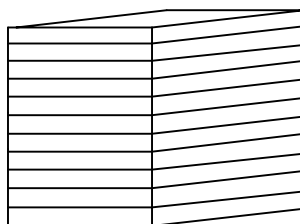
Height 70 cm  
(to 10mm thickness woodenboard)  
Direction 3

Sensitivity difference at 1.0KHz shall be within  $\pm 5\text{dB}$  from initial value after test.

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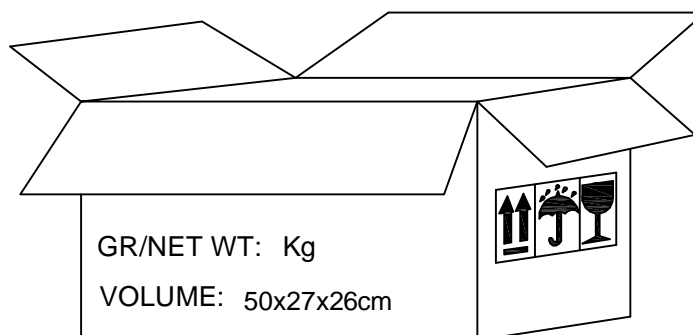
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## 4 Packing(initial)



## packing quantity

- 1)50pcs/tray
- 2)30tray/carton
- 3)1500 pcs/carton in total
- 4)carton size 50x27x26cm



## 5.Notice

5.1 The products mustn't be washed

5.2 **Storage Condition**

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.

5.3 **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.

5.4 **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.

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## 6. History change record

[illegible]

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