

## PIEZO BUZZER

Customer	
Customer P/O	
BeStar Model Name	BPT-14
Product No.	030300
Issue No.	BS/TEP01.010A
Issue Date	2001/10/16

### Approval:

1. Characteristic
2. Dimension
3. Environmental Test
4. Appearance
5. Packing



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## BPT-14

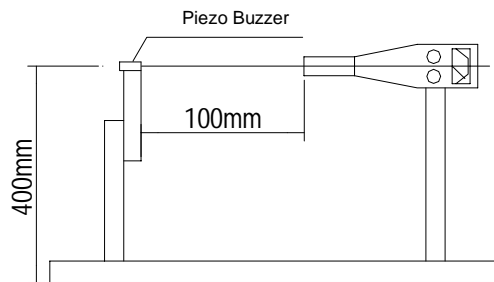
### 1. Characteristic

#### Electrical and Mechanical Characteristics


No.	Item	Specification
1.	Rated Voltage, Square Wave	5Vp-p
2.	Operating Voltage	1...20Vp-p
3.	a) Rated Current	max 2mA
4.	Capacitance 120Hz	15000± 30%pF
5.	a) Sound Output at 4KHz, 10cm	min 80dB
6.	Resonant Frequency	4000± 500Hz
7.	Operating Temperature	-20...+70° C
8.	Storage Temperature	-30...+80° C
9.	Weight	1g

a) Value applying at rated voltage.

#### ★ Standard Output Measurement Setup



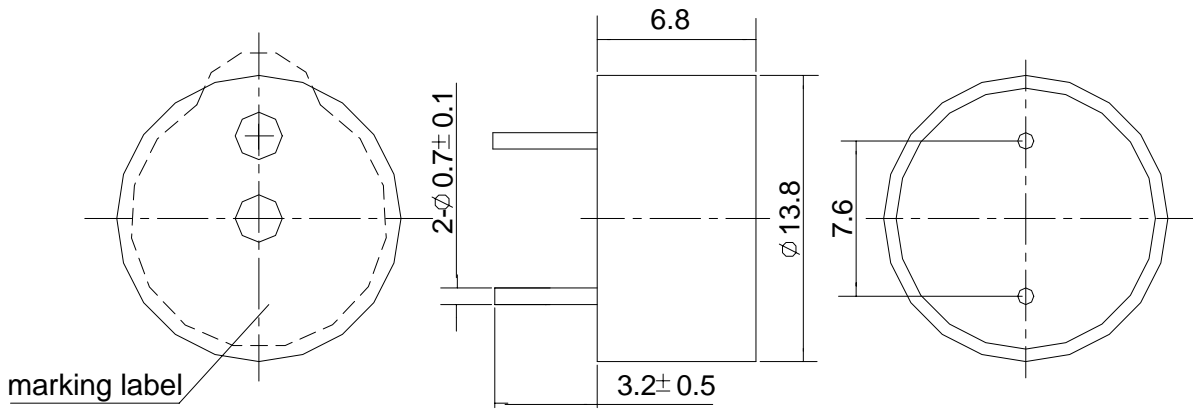
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APPR.		DATE			
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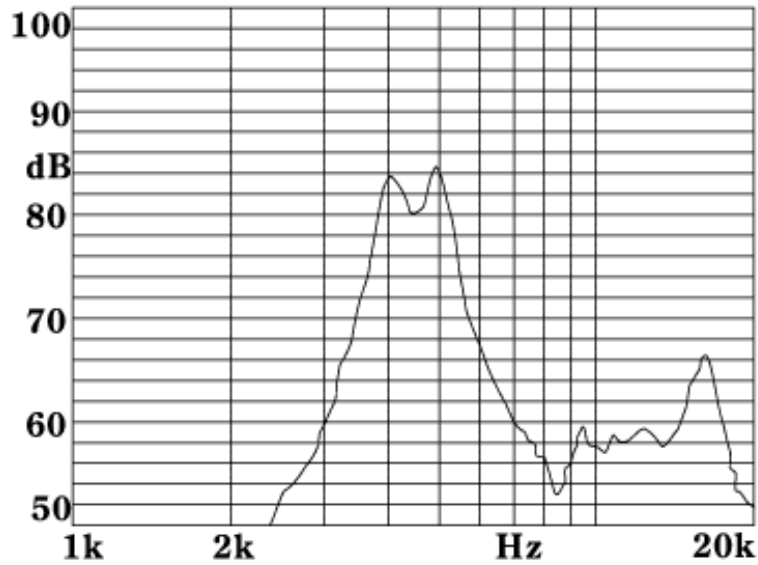
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## 2. Dimension

Tolerance: ± 0.2 Unit:mm



## Frequency Response



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## 3. Environmental test

### 3.1 high temperature test

Temperature +70° C  
Duration 96hrs

### 3.2 low temperature test

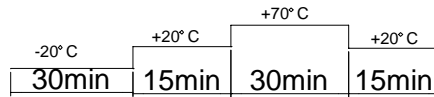
Temperature -20° C  
Duration 96hrs

### 3.3 life test in normal temperature

Power supply rated voltage  
Duration 1000hrs

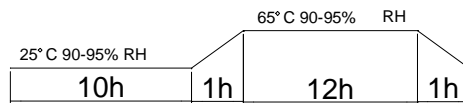
### 3.4 temperature cycle test

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 70cm  
(to 10mm thickness woodenboard)  
Direction 3

### 3.7 Solderability

Temperature 250± 5° C  
Duration 3± 0.5sec

### 3.8 Solder Heat Resistance

Temperature 250± 10° C  
Duration 30sec

Notice: All specification must be satisfied in this condition.

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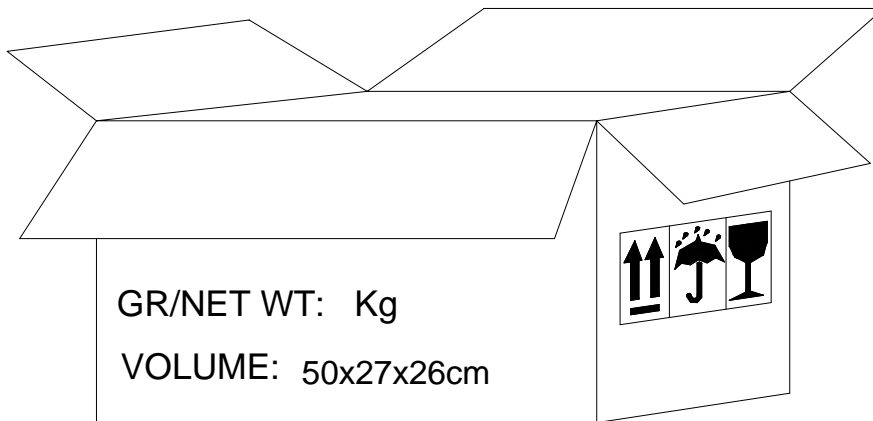
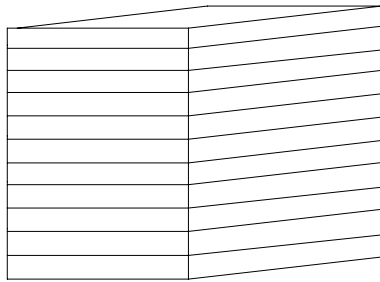
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### 4. Appearance

Appearance : without any obstacle to normal operation : damages, cracks, rusts and distortions,ect.

### 5. Packing



- 1)100pcs/tray
- 2)30tray/carton
- 3)3000 pcs/carton in total
- 4)carton size 50x27x26cm

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