

# PIEZO BUZZER

|                   |               |
|-------------------|---------------|
| Customer          |               |
| Customer P/O      |               |
| Bestar Model Name | BPT-22A       |
| Product No.       | 031300        |
| Issue No.         | BS/TEP01.031A |
| Issue Date        | 01/06/10      |

Approval:

- 1.Technical Terms
- 2.Drawing
- 3.Reliability Test



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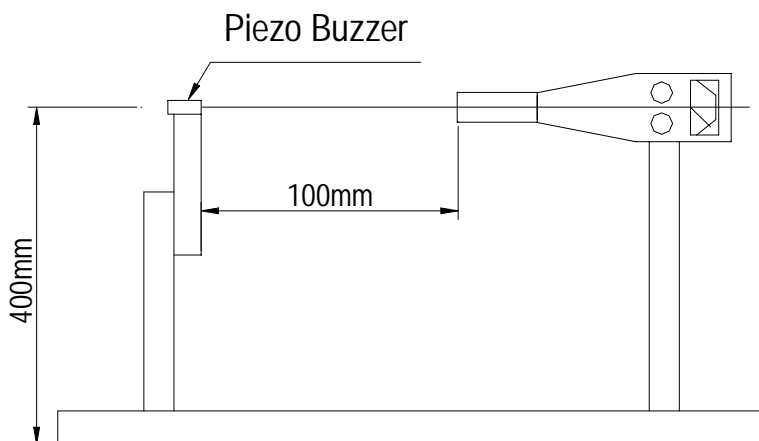
## BPT-22A

### 1. Technical Terms

| No. | Item                        | Unit | Specifications |
|-----|-----------------------------|------|----------------|
| 1   | Rated Voltage(Square wave)  | Vp-p | 3              |
| 2   | Operating Voltage           | Vp-p | 1...30         |
| 3   | a)Rated Current             | mA   | 1              |
| 4   | Capacitance at 120Hz        | pF   | 18000± 30%     |
| 5   | a)Sound Output at 2KHz 10cm | dB   | min 70         |
| 6   | Resonant Frequency          | Hz   | 2000± 500      |
| 7   | Operating Temperature       | °C   | -20...+70      |
| 8   | Storage Temperature         | °C   | -30...+80      |
| 9   | Base Plate                  |      | Cu             |
| 10  | Weight                      | g    | 2              |

a)Value applying at rated voltage.

### Standard Output Measurement Setup



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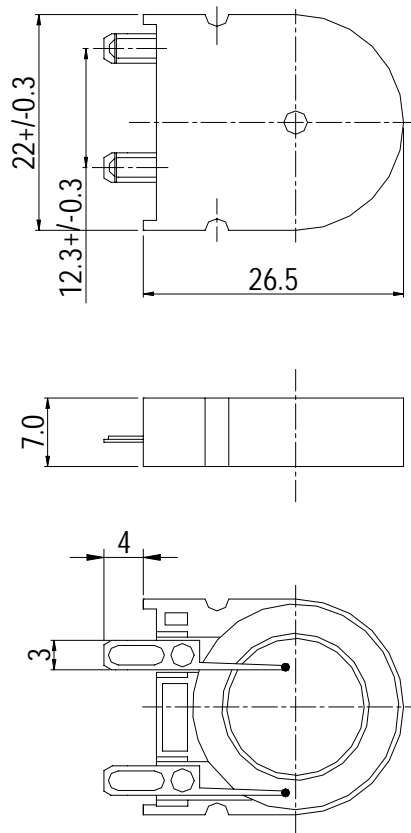
|   |  |      |  |                                     |                         |
|---|--|------|--|-------------------------------------|-------------------------|
| DIS.  |  | DATE |  | Page:1 of 3<br>3rd angle projection | BPT-22A                 |
| CHEC.   |  | DATE |  |                                     |                         |
| APPR.   |  | DATE |  |                                     | Piezo Buzzer            |
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### 2. Drawing

Tolerance:  $\pm 0.5$

Unit:mm



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|   |  |      |  |                                     |                         |
|---|--|------|--|-------------------------------------|-------------------------|
| DIS.  |  | DATE |  | Page:2 of 3<br>3rd angle projection | BPT-22A                 |
| CHEC.   |  | DATE |  |                                     |                         |
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## BPT-22A

### 3. Reliability Test

#### 3.1 High temperature test

Temperature +80° C  
Duration 96hrs

#### 3.2 Low temperature test

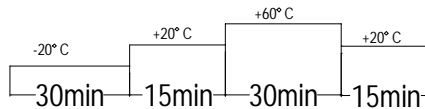
Temperature -30° C  
Duration 96hrs

#### 3.3 Life test in normal temperature

Power supply rated voltage  
Duration 500hrs

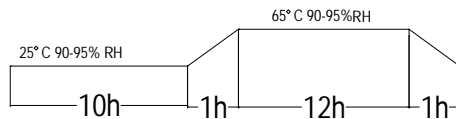
#### 3.4 temperature cycle test

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

Notice: All specification must be satisfied in this condition.except S.P.L, S.P.L shall be 65dB more .

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