

SPECIFICATION FOR PIEZO ELECTRIC BUZZER

Customer	
Customer P/N	
Bestar Model Name	BPT2812XH25W150 LF
Product No.	041402
Issue No.	BS/TEP01.577A
Issue Date	08/04/05

Approval:

- 1.Characteristics
- 2.Dimension
- 3.Reliability Test
- 4.Packing
- 5.Notice
- 6.History change record

Drawn by	Checked by	Approved by	Customer approved
赵 峰	李红元	张秀琴	

For conform to the European Union Directive on the Restriction of Hazardous Substances(RoHS), this type of productions forbid use all the hazardous substances as follow:

Lead
Cadmium
Mercury
Hexavalent chromium
Polybrominated biphenyls (PBB)
Polybrominated diphenyl ethers (PBDE)



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BPT2812XH25W150 LF



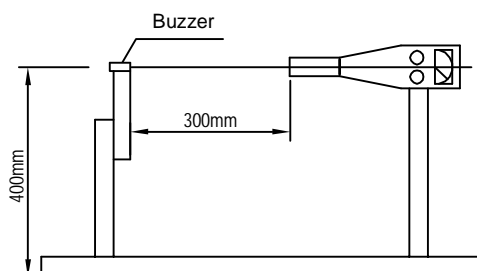
1. Characteristics

1.1 Electrical and Mechanical Characteristics

No.	Item	Specification
1.	Rated Voltage	12 VDC
2.	Operating Voltage	3..24VDC
3.	a)Rated Current	max.10mA
4.	a)Sound Output at 30cm	Min.95dB
5.	Tone Characteristic	Constant
6.	Resonant Frequency	3.5±0.5 KHz
7.	Operating Temperature	-20...+70°C
8.	Storage Temperature	-30...+80°C
9.	Weight	8.8g ±25%
10.	Lead Wires	28AWG
11.	Housing	ABS 757 UL94 HB plastic resin (Black)
a)Value applying at rated voltage.(VDC)		

1.2 Test method:

No reaction in space with in 400mm in all direction

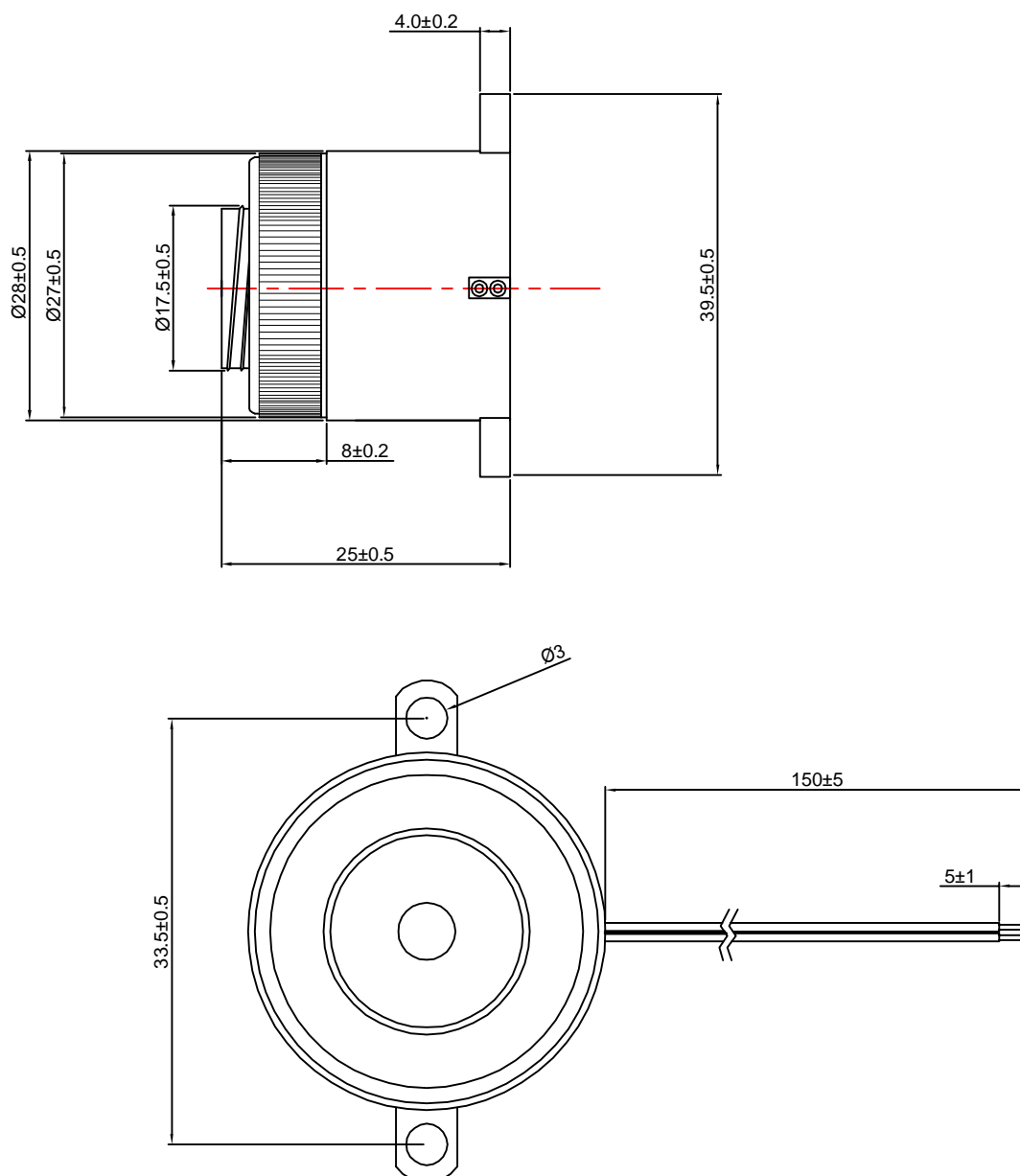


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Rev.	Date	Drawn	Note	Approved by:	张秀琴	
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2. Dimension

Tolerance: ± 0.3 Unit:mm



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6		5		4		3	
2						1	

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3. Reliability test

3.1 high temperature test

Temperature +70° C

Duration 96hrs

3.2 low temperature test

Temperature -30° C

Duration 96hrs

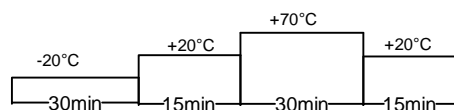
3.3 life test in normal temperature

Power supply 24V

Duration 500hrs

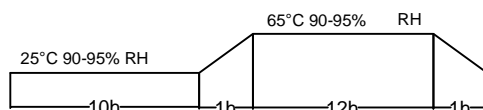
3.4 temperature cycle test

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)

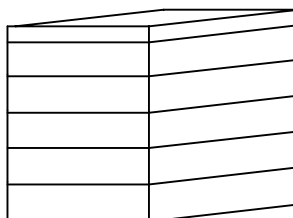
Direction 3

Notice: All specification must be satisfied in this condition.

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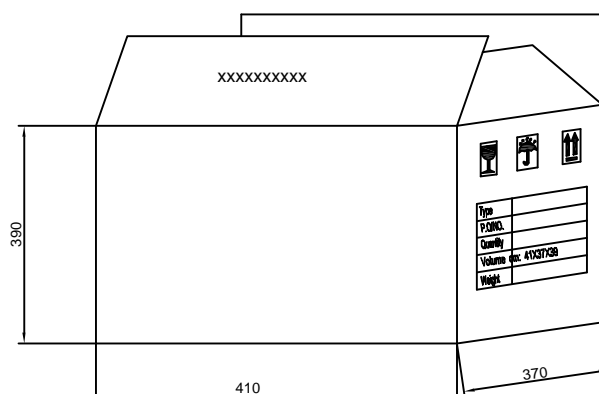
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4. Packing



packing quantity

- 1)50pcs/tray
- 2)20trays/carton
- 3)1000 pcs/carton in total
- 4)carton size 41x37x39cm



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

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