SPECIFICATION
FOR PIEZO ELECTRIC BUZZER

Customer	
Customer P/N	
BeStar Model Name	BPT2412XH16 LF
Product No.	040600
Issue No.	BS/TEP01.046C
Issue Date	08/02/21

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 峥	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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BPT2412XH16 LF



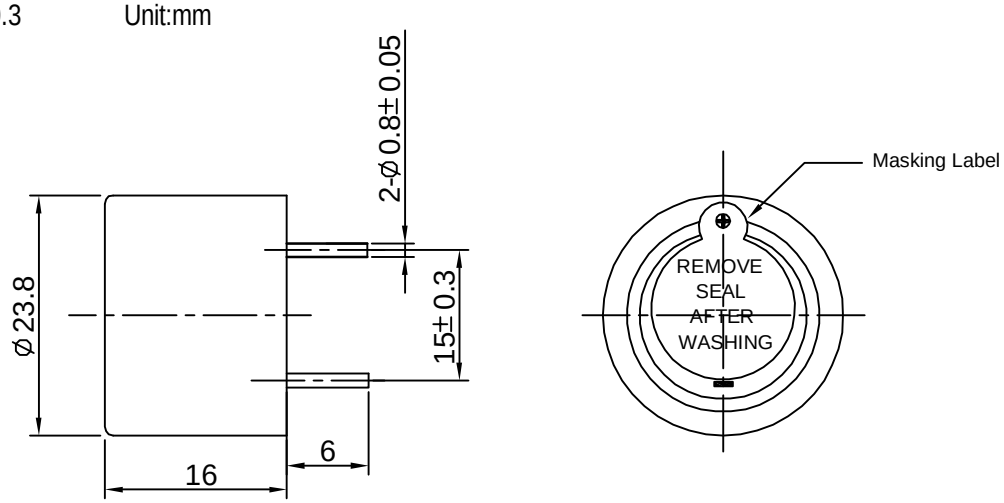
1. Characteristics

Electrical and Mechanical Characteristics

No.	Item	Specification
1.	Rated Voltage	12V
2.	Operating Voltage	3...20V
3.	a)Rated Current	max.10mA
4.	a)Sound Output at 30cm	min.90dB
5.	a)Resonant Frequency	3700±500Hz
6.	Operating Temperature	-20...+60°C
7.	Storage Temperature	-30...+70°C
8.	Weight	5 g
	a)Value applying at rated voltage	

2. Dimension

Tolerance:±0.3 Unit:mm



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				Date:	08/02/21
				Drawn by:	赵 峥
C	08/02/21	赵 峥		Checked by:	李红元
Rev.	Date	Drawn	Note	Approved by:	张秀琴

BPT2412XH16 LF

Piezo Buzzer

BESTAR ELECTRONICS INDUSTRY CO.,LTD
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DRG NO: BS/TEP01.046C

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3. Reliability test

3.1 High temperature test

Temperature	+70 ° C
Duration	96hrs

3.2 Low temperature test

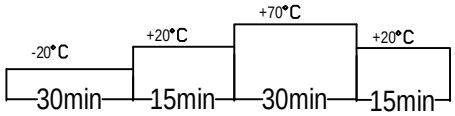
Temperature	-30 ° C
Duration	96hrs

3.3 Life test in normal temperature

Power supply	rated voltage
Duration	1000hrs

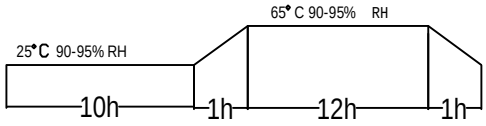
3.4 temperature cycle test

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 (to 10mm thickness woodenboard)	70cm
Direction	3

3.7 Solderability

Temperature	255 ± 5° C
Duration	3sec

Notice: All specification must be satisfied in this condition.

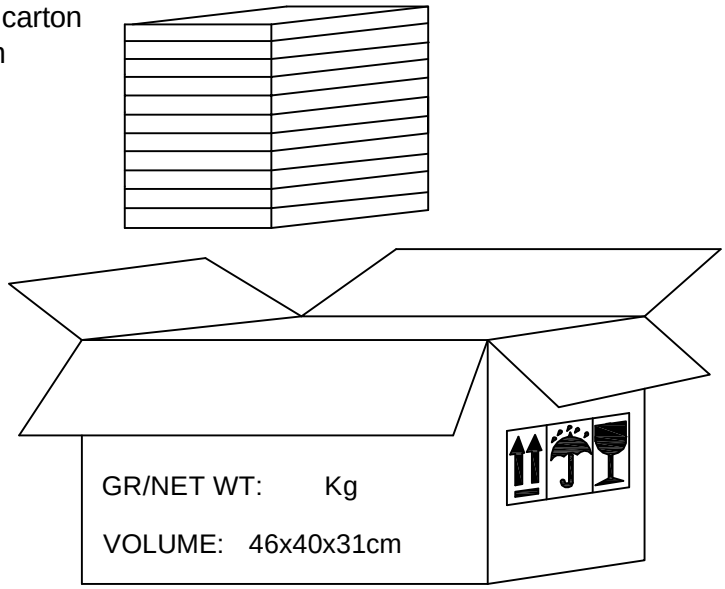
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				Date:	08/02/21	BPT2412XH16 LF
				Drawn by:	赵 峥	
C	08/02/21	赵 峥		Checked by:	李红元	Piezo Buzzer
REV.	Date	Drawn	Note	Approved by:	张秀琴	

BPT2412XH16 LF

4. Packing

Packing Quantity :80pcs per tray
18trays per carton
1440pcs per carton
Carton size: 46x40x31cm



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 deliveried under the conditions of a sealed and an unopened package. Please use the products within six months after deliveried. 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

version No.	Change Items		Date	Drawn	Approved
	Before	After			
A			01/06/11	王善梅	郭敏
B		RoHS	06/08/15	杨红烨	郭敏
C		Add Masking Label	08/02/21	赵 峥	张秀琴

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