

PIEZO BUZZER

Customer	
Customer P/O	
Bestar Model Name	BPT24X
Product No.	040600
Issue No.	BS/TEP01.046A
Issue Date	01/06/10

Approval:

- 1.Ordering Information
- 2.Characteristic
- 3.Drawing
- 4.Reliability Test



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BPT-24X

1.Ordering Information

BPT-24X

BPT: Bestar Piezo Transducer

24 : Buzzer Size - diameter=24mm

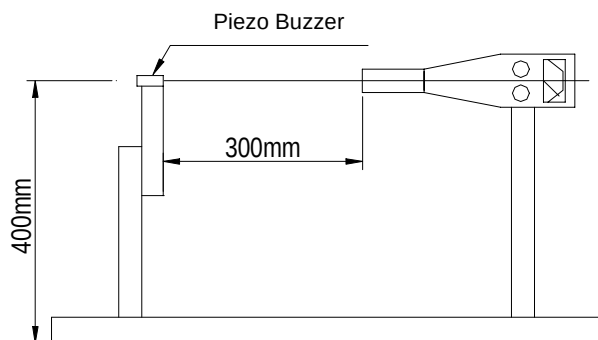
X : with built-in circuit

2.Characteristic

Electrical and Mechanical Characteristics

No.	Item	Specification
1.	Rated Voltage	12V
2.	Operating Voltage	3...20V
3.	a)Rated Current	max.8mA
4.	a)Sound Output at 30cm	min.90dB
5.	a)Resonance 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	

★Standard Output Measurement Setup



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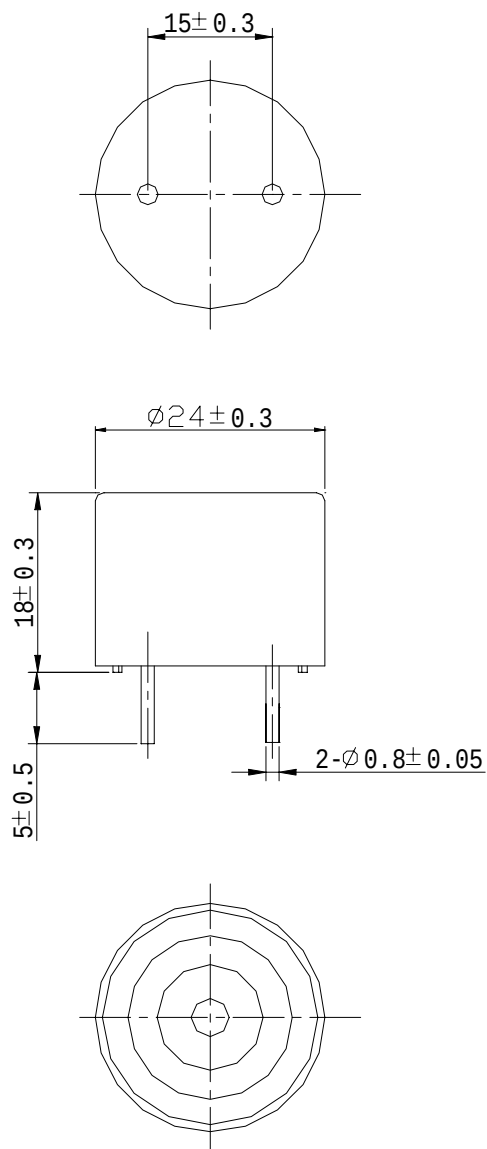
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BPT-24X

3. Drawing



DIS .

DATE

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CHEC.

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3rd angle

Piezo Buzzer

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DATE

projection



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4. Reliability Test

4.1 High temperature test

Temperature +70° C
Duration 96hrs

4.2 Low temperature test

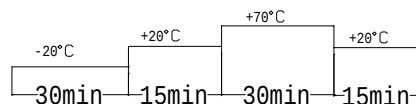
Temperature -30° C
Duration 96hrs

4.3 Life test in normal temperature

Power supply rated voltage
Duration 1000hrs

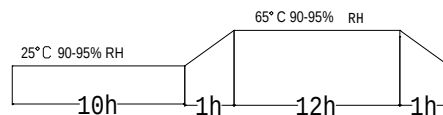
4.4 temperature cycle test

Cycles 5



4.5 Humidity cycle test

Cycles 5



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

4.6 Drop test

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

4.7 Solderability

Temperature 245± 5° C
Duration 3sec

Notice: All specification must be satisfied in this condition.

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