

Specification of Piezo Buzzer

Customer	
Customer P/O	
Bestar Model Name	BPT1412XH7.5
Product No.	040200
Issue No.	BS/TEP01.011A
Issue Date	01/10/16

Approval:

- 1.Ordering Information
- 2.Technical Terms
- 3.Drawing
- 4.Reliability Test
- 5.Appearance
- 6.Packing



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BPT1412XH7.5

1.Ordering Information

BPT1412XH7.5

BPT: Bestar Piezo Transducer

14 : Buzzer Size - diameter=14mm

12: Rated voltage 12v X: With built-in circuit

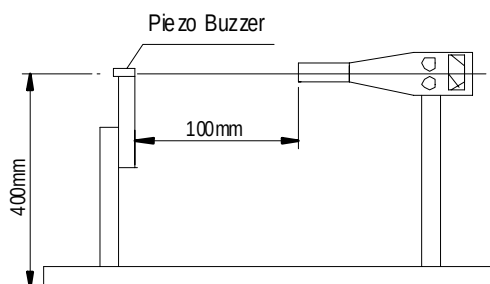
H7.5:Height 7.5



2.Technical Terms

ITEM	UNIT	SPECIFICATIONS
Rated Voltage	VDC	12
Operation Voltage	VDC	3-16
a)Rated Current	mA	max7
a)Sound Output at 10cm	dB	min80
a)Resonant Frequency	Hz	4000 ± 500
Operating Temperature	°C	-20...+70
Storage Temperature	°C	-30...+80
Weight	g	1
a)Value Applying Rated Voltage (DC)		

★.Standard Output Measurement Setup



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BPT1412XH7.5

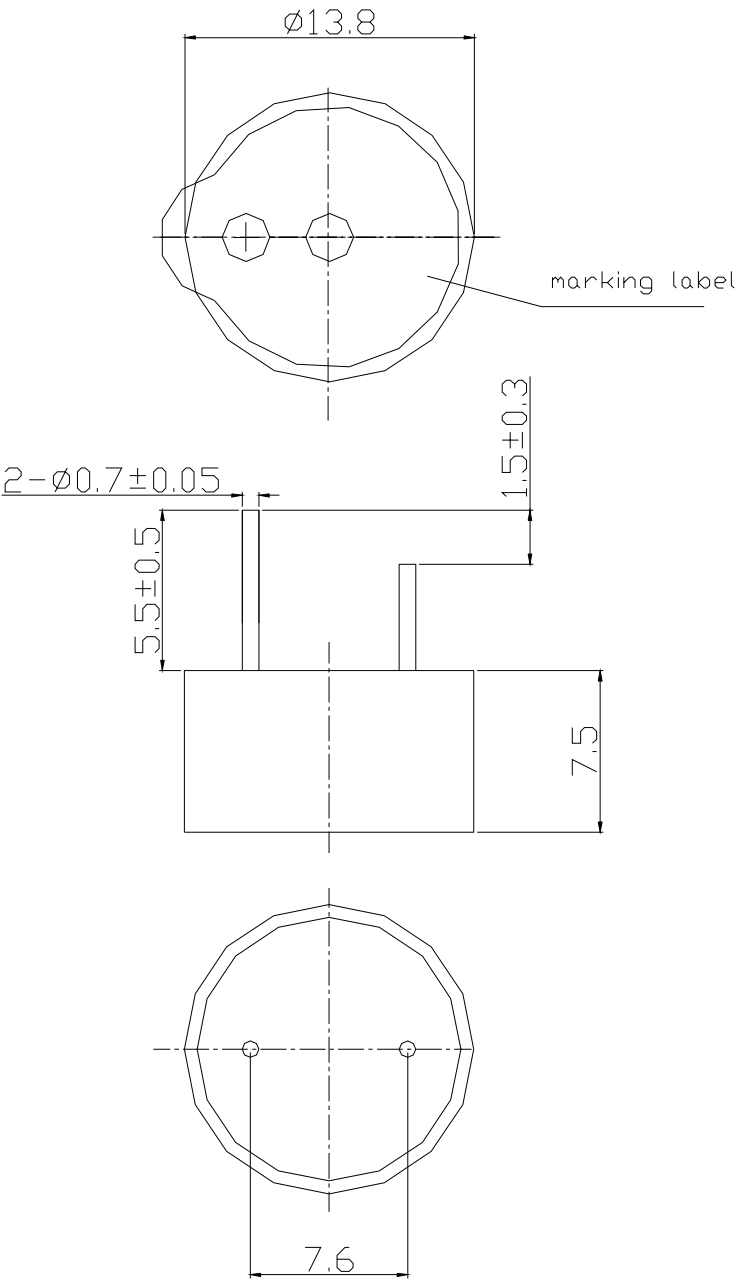
Piezo Buzzer

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BPT1412XH7.5

3. Drawing

Tolerance:± 0.2



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4. Reliability test

4.1 high temperature test

Temperature +80° C
Duration 96hrs

4.2 low temperature test

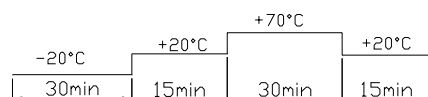
Temperature -30° C
Duration 96hrs

4.3 life test in normal temperature

Power supply rated voltage
Duration 1000hrs

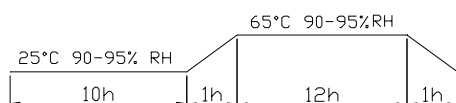
4.4 temperature cycle test

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 $245 \pm 5^\circ \text{C}$
Duration $3 \pm 0.5 \text{sec}$

4.8 Solder Heat Resistance

Temperature $260 \pm 5^\circ \text{C}$
Duration 20sec

Notice: All specification must be satisfied in this condition.

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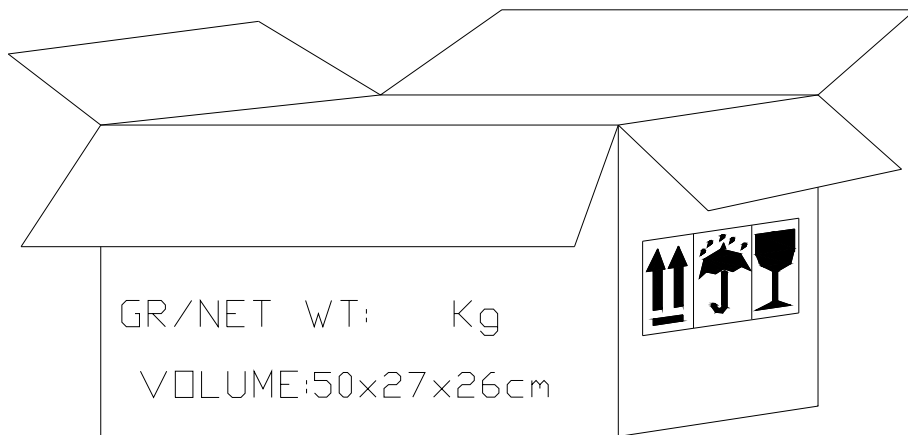
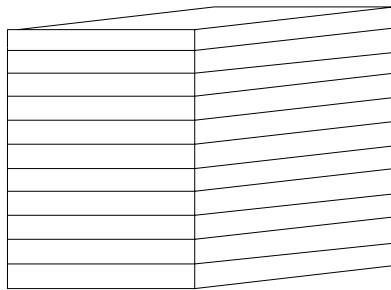
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5. Appearance

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

6. Packing



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

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