

## SPECIFICATION For Electro-Magnet Buzzer

Customer	
Customer P/N	
BeStar Model Name	BMT1212XH9.5LF
Product No.	020101
Issue No.	BS/TET01.012B
Issue Date	06/05/06

### Approval:

- 1.Characteristic
- 2.Drawing
- 3.Reliability Test
- 4.Packing
5. History change record

Drawn by	Checked by	Approved by	Customer approved
王善梅	韩学慧	郭敏	

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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# BMT1212XH9.5LF



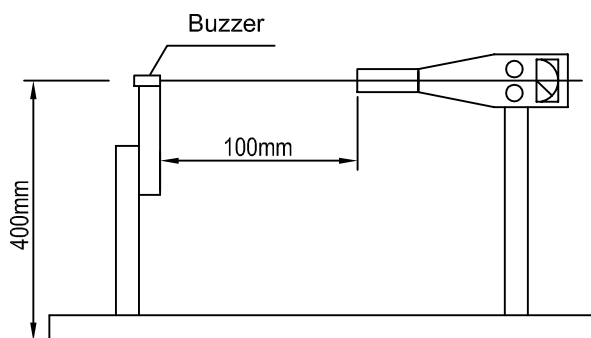
## 1. Characteristics

### 1.1 Electrical and Mechanical Characteristics

No.	Item	Specification
1.	Operating Voltage	8-15V
2.	Rated Voltage	12V
3.	a)Sound Output Level at 10cm	min. 85dB
4.	a)Rated Current	max. 30mA
5.	a)Resonant Frequency	2300±300Hz
6.	b)Response Time	max50 ms
7.	Operating Temperature	-30...+80° C
8.	Storage Temperature	-30...+80° C
a)Value applying rated voltage(DC)		
b)Value applying (Min.operating DC voltage)		

### 1.2 Standard test Fixture

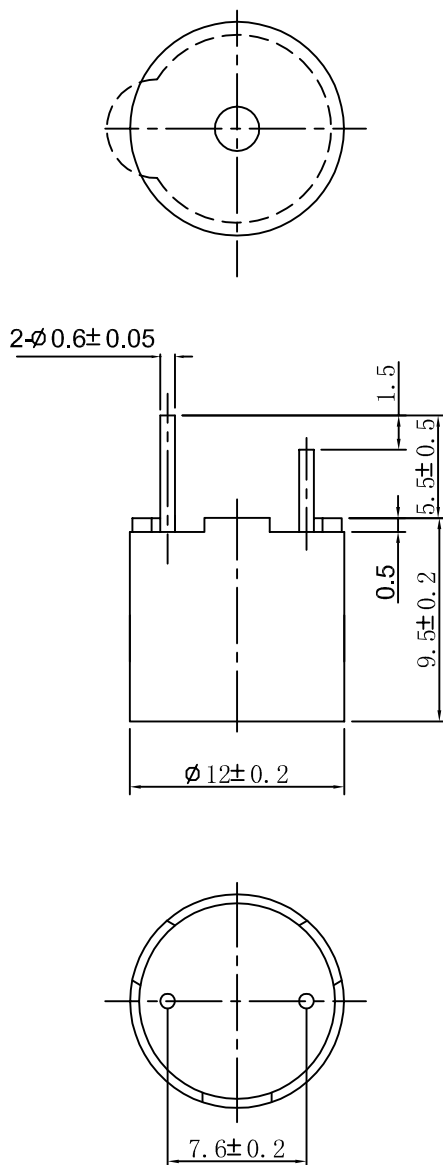
No reaction in space with in 400mm in all directions



				Date:	06/05/06	BMT1212XH9.5LF
B	06/05/06	王善梅	ROHS version	Drawn by:	王善梅	
A	01/03/10	王善梅		Checked by:	韩学慧	Buzzer
Rev.	Date	Drawn	Note	Approved by:	郭 敏	
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## 2.Drawing



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## 3. Reliability test

### 3.1 High temperature test

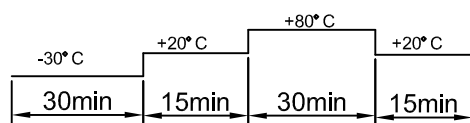
Temperature +80° C  
Duration 96hrs

### 3.2 Low temperature test

Temperature -30° C  
Duration 96hrs

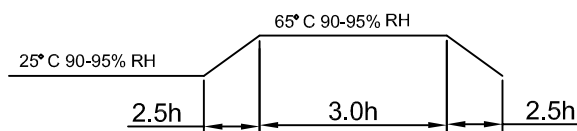
### 3.3 Temperature cycle test

Cycles 5



### 3.4 Humidity cycle test

Cycles 10



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

### 3.5 Load test

Power supply rated voltage  
Duration 1000hrs

### 3.6 Vibration Test

Vibration Frequency 10~55Hz  
Amplitude 1.5mm  
Duration x,y&z directions 30min

### 3.7 Drop test

Height 70cm  
(to 10mm thickness woodenboard)  
Direction 3(x,y&z)

### 3.8 Solderability test

Temperature 255° C  
Duration 3secs

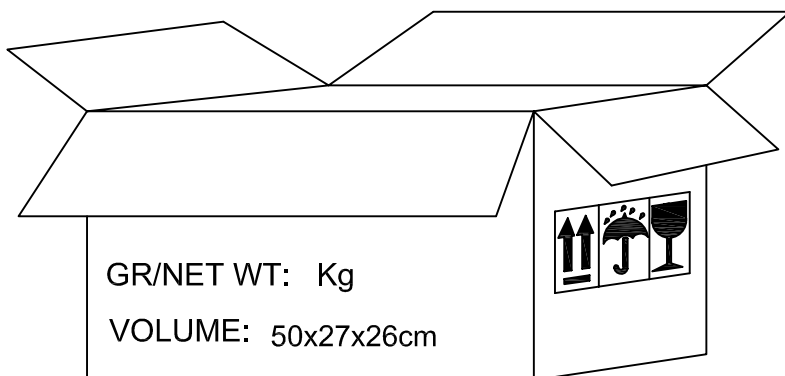
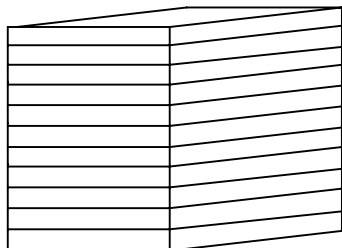
Notice: specification must be satisfied in this condition ,except S.P.L( S.P.L shall be 80dB more).

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## 4. Packing

### 4.1 packing drawing



### 4.2 packing quantity

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

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## 5. History change record

[illegible]

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