

ELECTRO-MAGNET BUZZER

Customer	
Customer No.	
BeStar Model Name	BMT1205H09
Product No.	010400
Issue No.	BS/TET01.114A
Issue Date	01/03/10

Approval:

1. Characteristic
2. Drawing
3. Reliability Test
4. Packing



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BMT1205H09

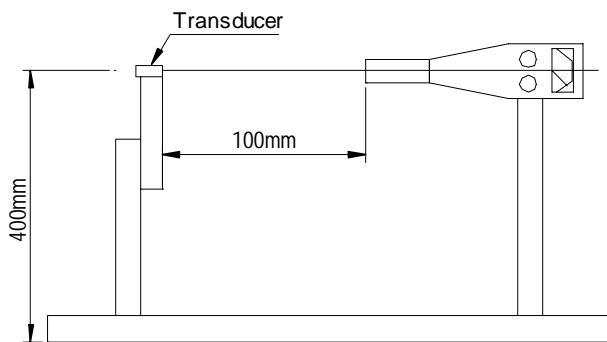


1. Characteristic

★Electrical and Mechanical Characteristics

No.	Item	Specification
1.	Rated Voltage	5 V
2.	Operating Voltage	4...8V
3.	a) Rated Current	max 40mA
4.	Coil Resistance	45± 5ohm
5.	b) Coil Impedance	80ohm
6.	a) Sound Output at10cm	min 85 dB
7.	Resonance Frequency	2400 ± 200Hz
8.	Housing Material	NORYL
9.	Working Temperature	-40...+85 °C
10.	Storage Temperature	-40...+85 °C
	a) Value applying at rated voltage (2400Hz,1/2duty square wave)	
	b) Value applying at rated voltage (2400Hz,sine wave measuring current 60 μ A)	

★Standard Output Measurement Setup



Standard Conditions

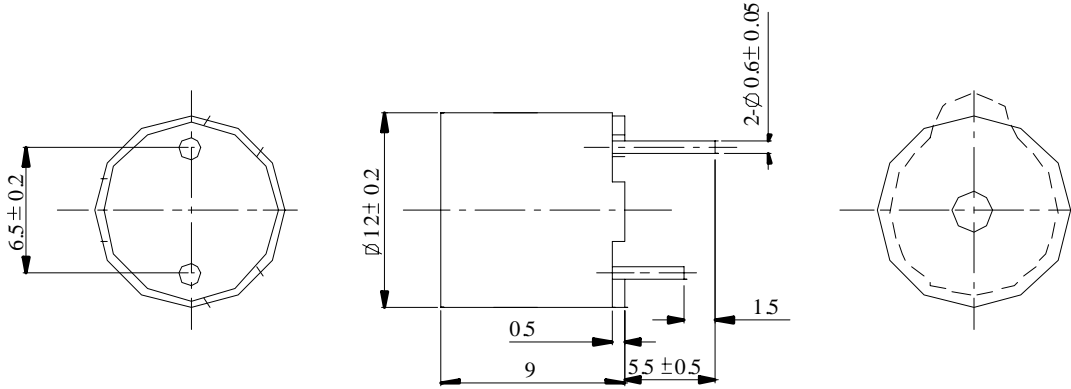
Temperature: 17~25°C
 Relative Humidity: 45~85 %(RH)
 Air Pressure: 860~1060hPa

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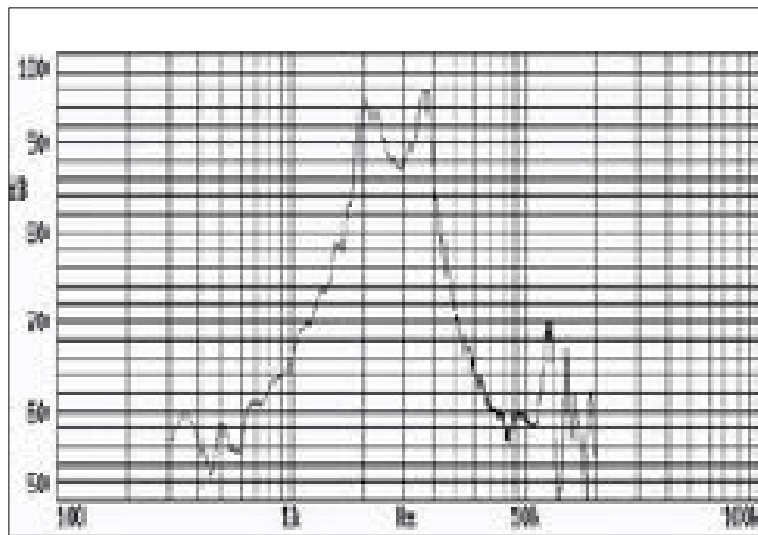
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2. Drawing

Tolerance: ± 0.5



★Frequency Response



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3. Reliability test

3.1 High temperature test

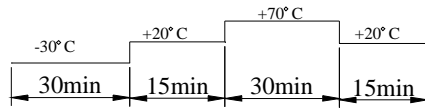
Temperature +85° C
Duration 96hrs

3.2 Low temperature test

Temperature -40° C
Duration 96hrs

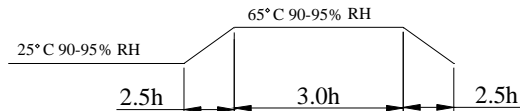
3.3 Temperature cycle test

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

3.8 Solderability test

Solderability temperature 255° C
Heat applying time 3sec

Notice: After the test the part shall meet specifications without any degraence and performance except S.P.L, S.P.L shall be 77dB more .

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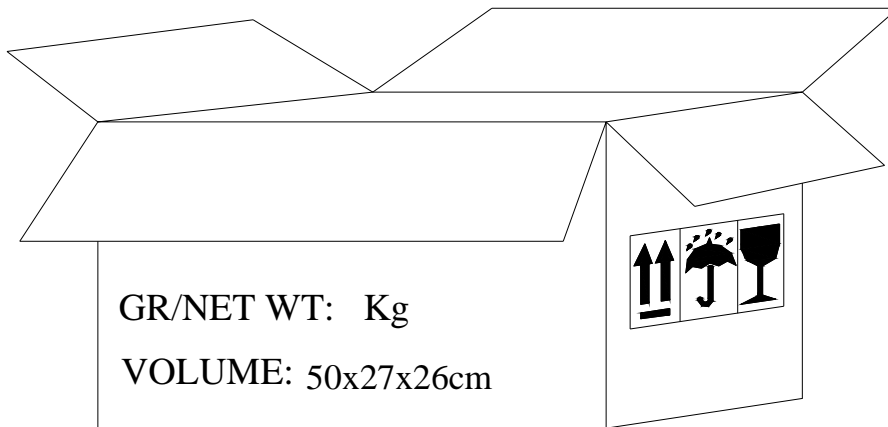
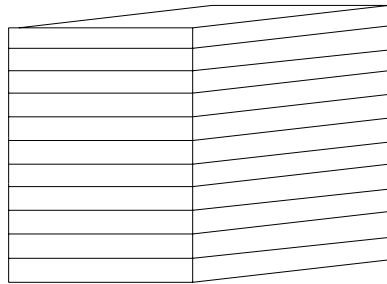
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4. Packing



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

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