

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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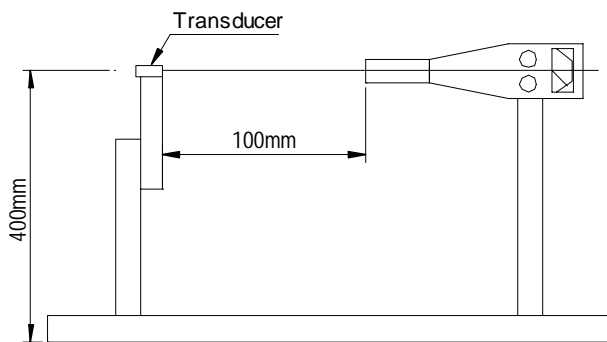


1. Characteristic

★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

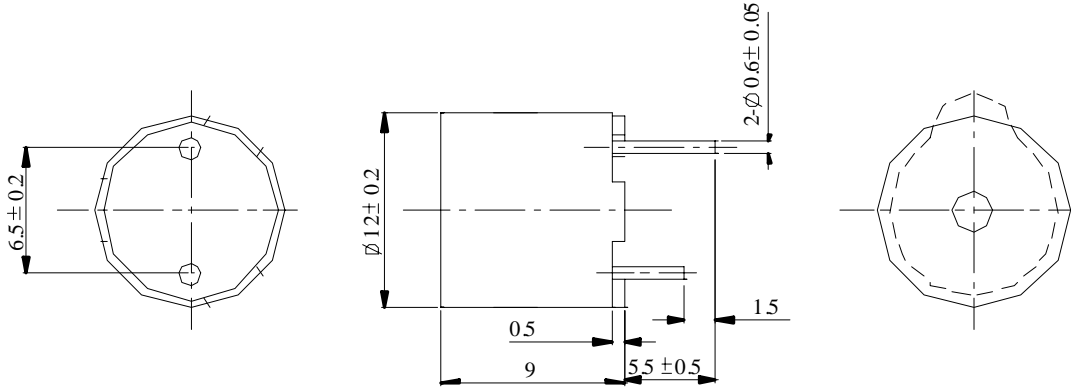
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| DIS. | | DATE | | Page:1 of 4 3rd angle projection | BMT1205H09 |
| CHEC. | | DATE | | | Transducer |
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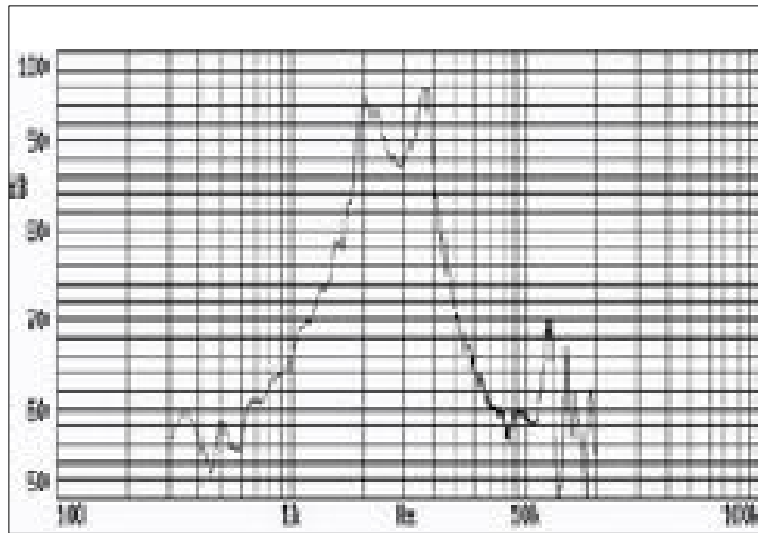
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2. Drawing

Tolerance: ± 0.5



★ Frequency Response



| | | | | | |
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3. Reliability test

3.1 High temperature test

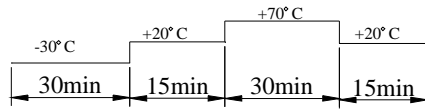
Temperature +85° C
Duration 96hrs

3.2 Low temperature test

Temperature -40° C
Duration 96hrs

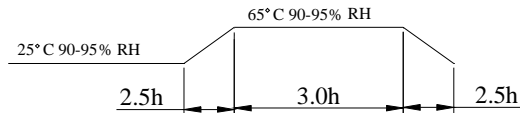
3.3 Temperature cycle test

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 degraance and performance except S.P.L, S.P.L shall be 77dB more .

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