

MAGNETIC TRANSDUCER

Customer	
Customer P/O	
Bestar Model Name	BMT-1203XH7.5
Product No.	020202
Issue No.	BS/TET01.049A
Issue Date	01/03/13

Approval:

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



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BMT-1203XH7.5

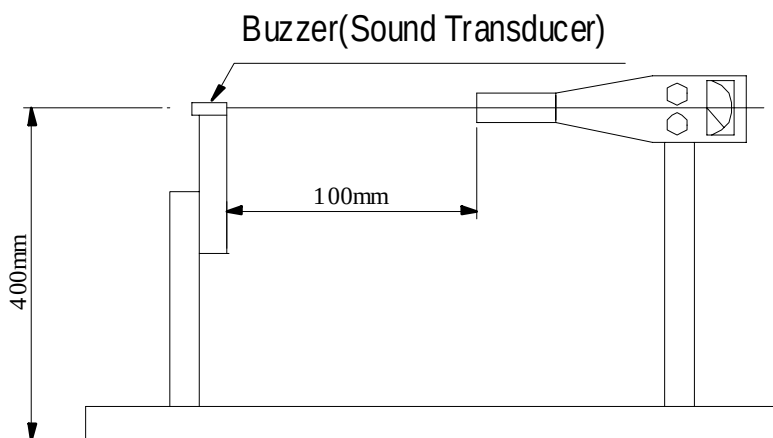
1. Characteristic

Electrical and Mechanical Characteristics



No.	Item	Specification
1.	Operating Voltage(V)	2~5
2.	Rated Voltage(V)	3
3.	Sound Output at 10cm(dB)	Min.82
4.	Rated Current(mA)	Max.30
5.	Resonance Frequency (Hz)	2300 ± 400
6.	Response Time	Max. 50ms
7.	Housing Material	NORYL
8.	Operating Temperature(°C)	-20...+70
9.	Storage Temperature (°C)	-25...+80
Value Applying at Rated Voltage		

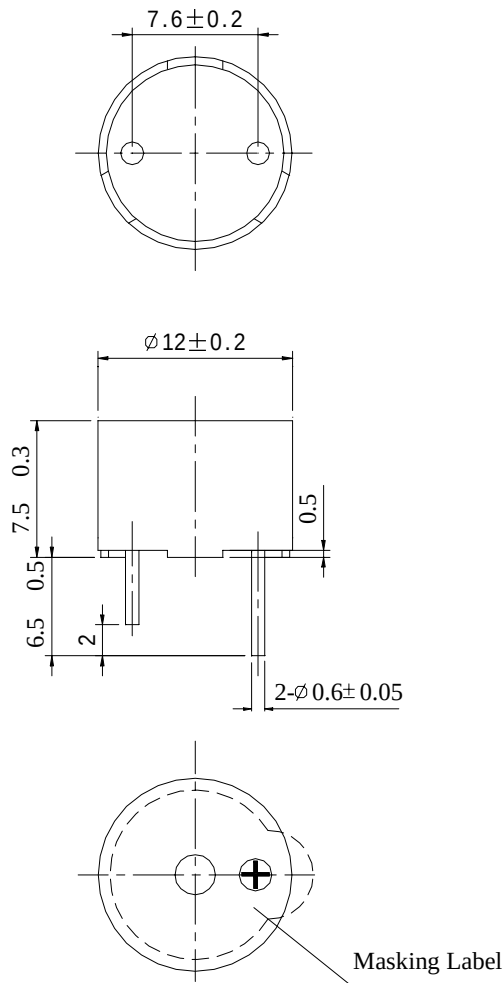
Standard Output Measurement Setup



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CHEC.		DATE		3rd angle projection	Transducer
APPR.		DATE			DRG NO BS/TET01.049A
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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

-25 c

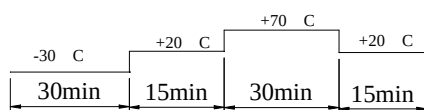
Duration

96hrs

3.3 Temperature cycle test

Cycles

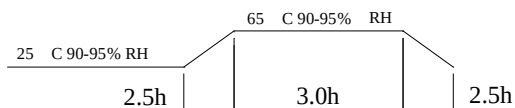
5



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 degrance and performance except S.P.L, S.P.L shall be 80dB more .

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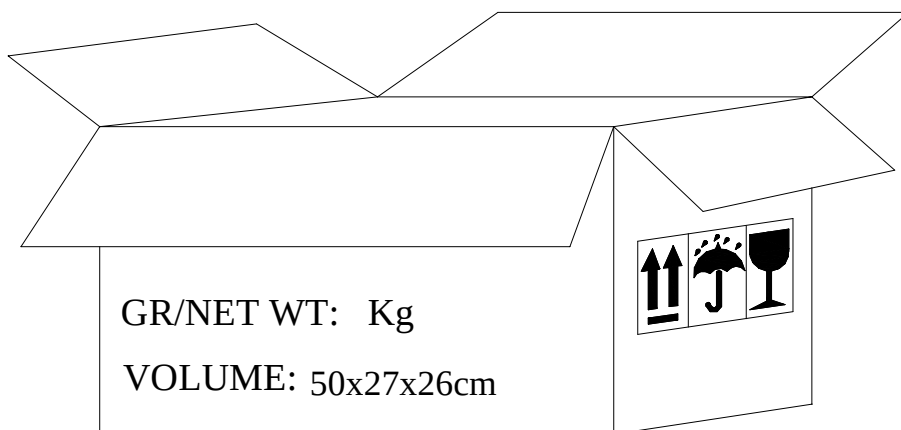
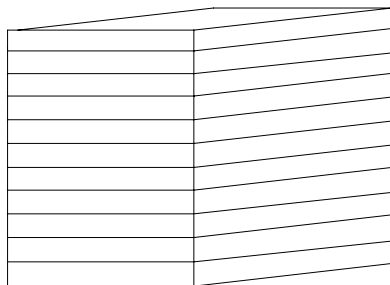
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4. Packing



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

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