

MAGNETIC TRANSDUCER

Customer	
Customer P/O	
BeStar Model Name	BMT0901H07
Product No.	010600
Issue No.	BS/TET01.086A
Issue Date	01/03/12

Approval:

1. Characteristics:
2. Dimension:
3. Environmental Test
4. Appearance



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BMT0901H07

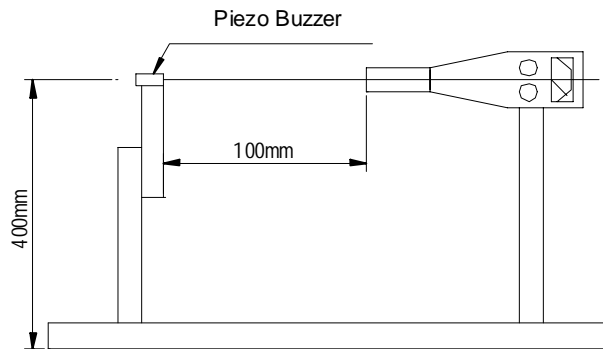


1. Characteristics:

★Electrical and Mechanical Characteristics

Item	Specification
Rated Voltage (V)	1.5
Operating Voltage (V)	1-2
a)Rated Current (mA)	Max80
Coil Resistance (ohm)	5.5 ± 1
b)Coil Impedance(ohm)	9.5
a)Sound Output at 10cm(dB)	min80
Resonant Frequency (Hz)	3100Hz
Operating Temperature(° C)	-25...+55
Storage Temperature(° C)	-25...+70
a)Value applying rated voltage (3100Hz,1/2duty ,square wave)	
b)Value applying (3100Hz,sine wave ,measuring current60 μ A)	

★Standard Output Measurement Setup

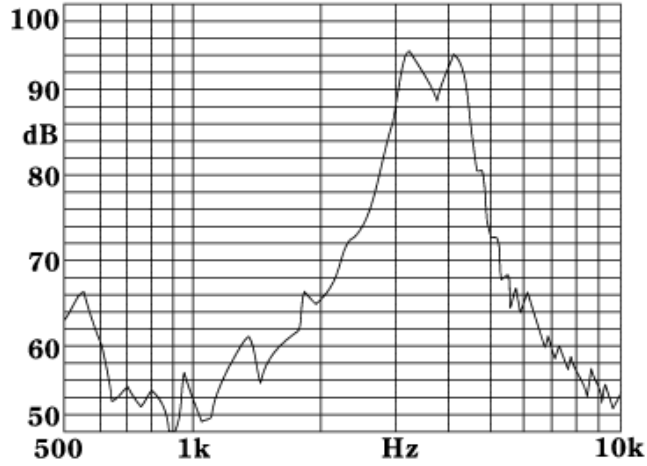


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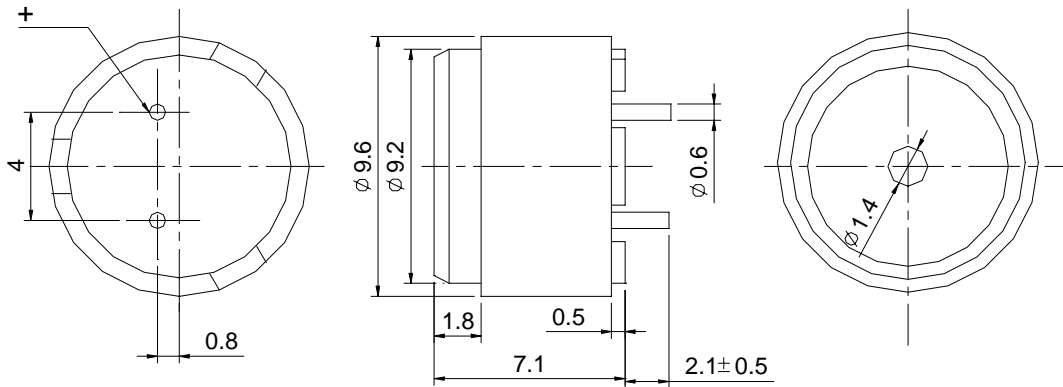
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★Frequency Response



Applied voltage:1.5V,1/2 duty,square wave
Distance for measurement:10cm

2.Dimension:



Tolerance:±0.5
Unit:mm

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3.Environmental Test

3.1 high temperature test

Temperature +70° C
Duration 96hrs

3.2 low temperature test

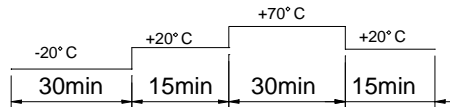
Temperature -25° C
Duration 96hrs

3.3 Life test in normal temperature

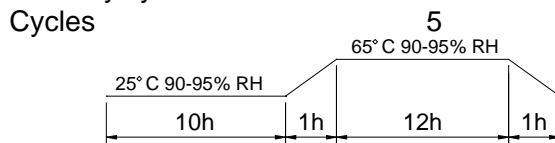
Power supply Rated voltage
Duration 1000hrs

3.4 temperature cycle test

Cycles 5



3.5 Humidity cycle test



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

3.6 Drop test

Height 70cm
(to 10mm thickness woodenboard)
Direction 3

Notice: All specification must be satisfied in this condition.

4.Appearance

Appearance: without any damage,rack,rust and distortion,etc.

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