

## DYNAMIC SPEAKER

Customer	
Customer P/O	
BeStar Model Name	BMS13-12C-08H2.6R
Product No.	130202
Issue No.	BS/TES01.147A
Issue Date	02/08/12

### Approval:

- 1.Characteristic
- 2.Dimensions
- 3.Test Method
- 4.Reliability Test
- 5.Appearance



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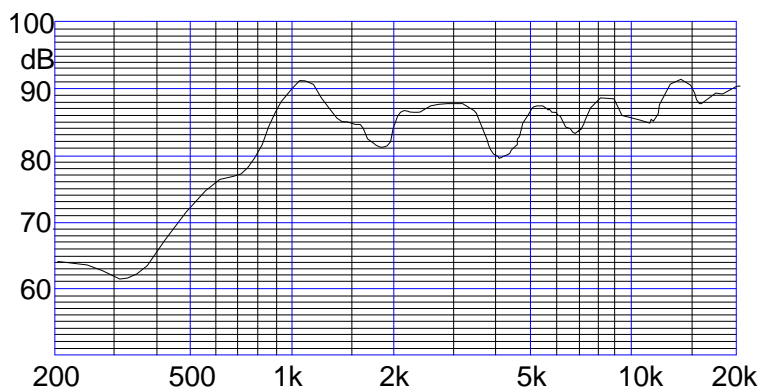
## BMS13-12C-08H2.6R

### 1. Characteristic:

#### ★Electrical and Mechanical Characteristics

No.	Item	Specifications
1.	Nominal Input Power	0.2W
2.	Impedance	$8 \pm 15\% \text{ohm}$ at 1V 1KHz
3.	Resonance Frequency	1.2KHz $\pm$ 20%
4.	Sensitivity	88dB $\pm$ 3 (AVG 1,1.2, 1.5,2.0)KHz 0.1W/0.1m
5.	Frequency Range	1.2 KHz ...5KHz
6.	Distortion	5% max at 2kHz 0.2W
7.	Voil Coil	Diameter $\phi$ 7.2mm
8.	Magnet(Nd-Fe-B)	$\phi$ 6.5 0.8mm
9.	Max . Input Power	0.5W Must be normal at a white noise(0.5W)for one minute
10.	Polarity	Positive voltage to(+),The diaphragm move forward
11.	Buzzes & Rattles	Must be normal at Sine wave 2V Between(1.2kHz to 5kHz)
12.	Operating Temperature	-25...+70°C
13.	Storage Temperature	-30...+85°C

#### ★ Frequency response curve

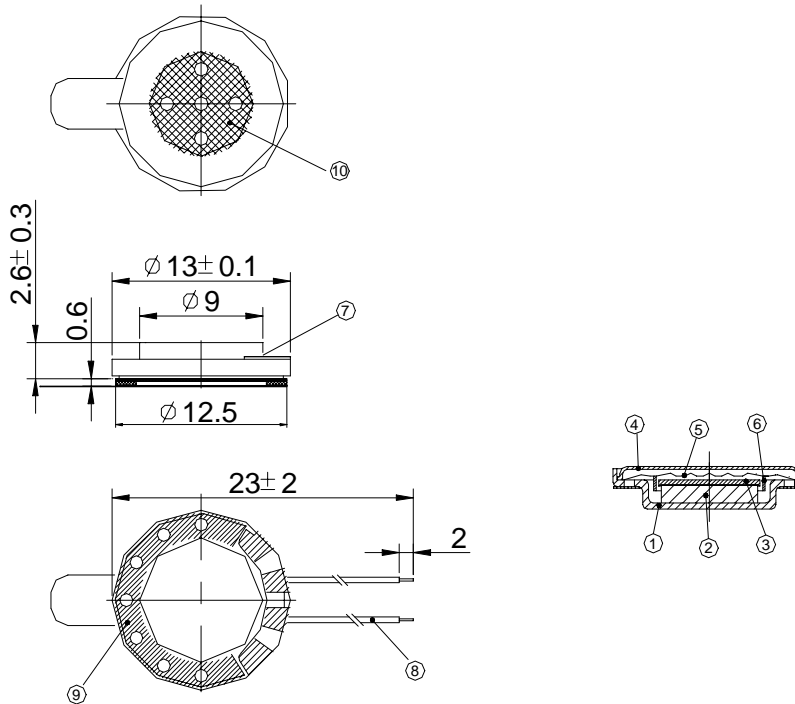


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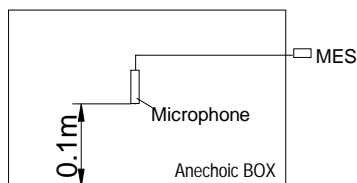
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## BMS13-12C-08H2.6R

### 2. Dimensions:



### 3. Test Method



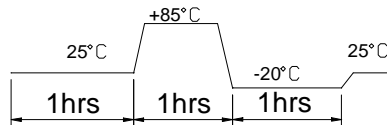
10	Net Label	130#
9	Net	
8	Wire	UL1571 AWG32
7	PCB	
6	Voice Coil	QAN/ 155
5	Diaphragm	PEN
4	CAP	BE105
3	Plate	SPC-1
2	Magnet	Nd-Fe-B
1	Frame	SPC-3
No	Parts Name	Material

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# BMS13-12C-08H2.6R

## 4. Reliability Test

- 4.1 High Temperature Test
  - Temperature +85± 3°C
  - Relative Humidity 20-40%RH
  - Duration 96hrs
- 4.2 Low Temperature Test
  - Temperature -40± 3°C
  - Duration 96hrs
- 4.3 Humidity Test
  - Temperature +40± 3°C
  - Relative Humidity 90%-95%RH
  - Duration 96hrs
- 4.4 Temperature Cycle Test
  - Cycle 4



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

- 4.5 Drop Test
  - Height 1m
  - Times 18 (Drop onto a board 20mm thick)
- 4.6 Load Test
  - Power 2V white noise
  - Duration 96

After the tests above, SPL: deviation is ± 3dB of initial values after testing

☆After each test, all specification must be satisfied in this condition.

## 5. Appearance:

Appearance: Should not exist any kind of obstacle to be harmful to Normal operation not any remarkable damages, cracks, rust and Distortions which may cause malfunctions.

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