HITPOINT

TEL:8862-26013311
FAX:8862-26013898

No.4, Lane 505 ,Zhongzheng Road, Linkou Shiang, Taipei,Taiwan24445

Mylar Speaker

PSR-23F16S01-Q

(RoHS)

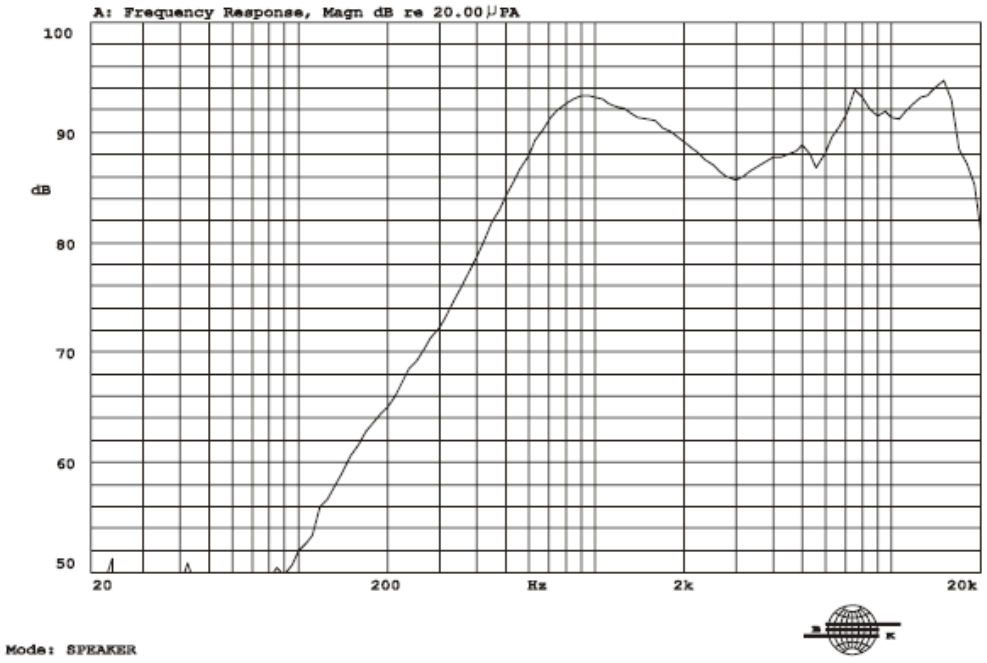
DATE:2009.03.23

1．Electrical Characteristics

VER .:0

Voice Coil Impedance (Ω)	16 ohm ± 15% at 1500 Hz	
Rated Input (W)	0.4W	
Max. Input (W)	Must be normal at 0.6Wfor one minute	
Lowest Resonance Frequency (Hz)(Fo)	850 Hz ± 20% at Fo, 1V	
Frequency Range (Hz)	F0 ~ 20000	
Output S.P.L (dB)	92dB(0.1W/0.05m) ± 3 dB	at AVE0.8K 1.0K 1.2 K1.5KHz
Magnet Size (mm)	Φ11 x 1.2 mm	

2．Typical Frequency Response Curve



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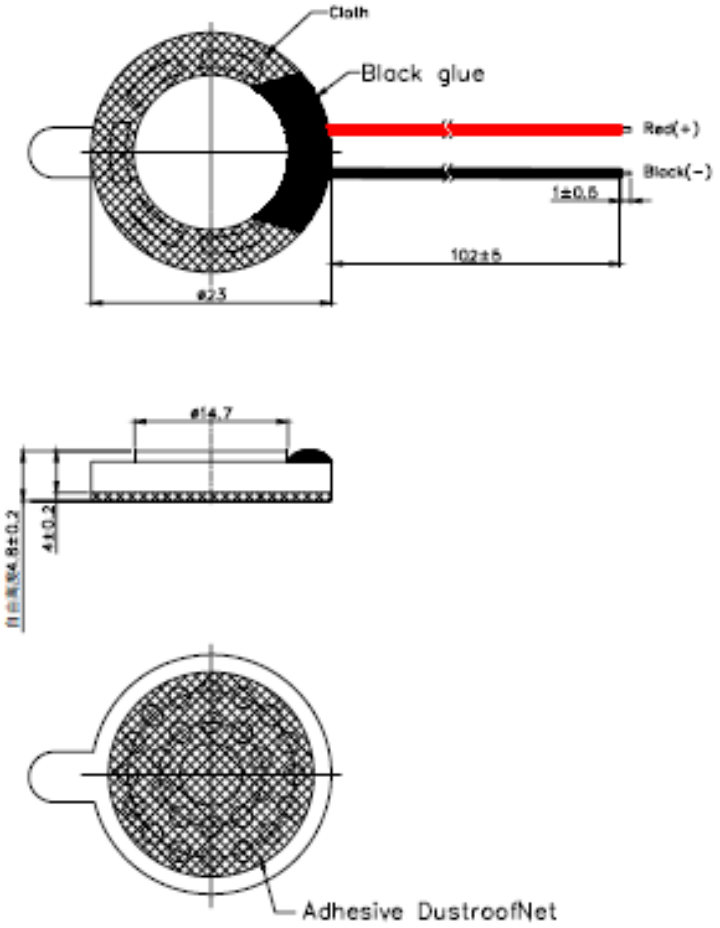
3．Dimensions and Material

3-1 Shape



Case: PBT
Diaphragm: Mylar
Wire: UL1571, AWG30

Unit : mm

3-2 Material

Magnet	Nd Fe B
Weight (Gram)	2.3g ± 0.3g

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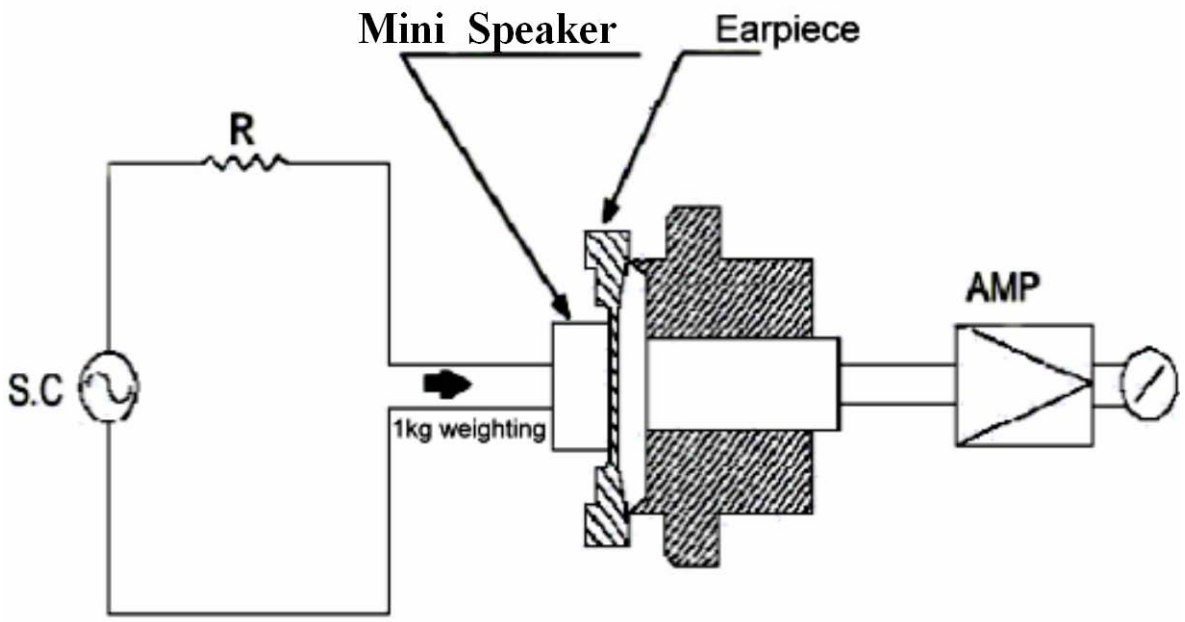
4. TESTING METHOD

・*Standard Measurement conditions*

Temperature:18±2℃ Humidity:40-50%

・*Acoustic Characteristics*

In the measuring test, Mini Speaker is placed as follows:



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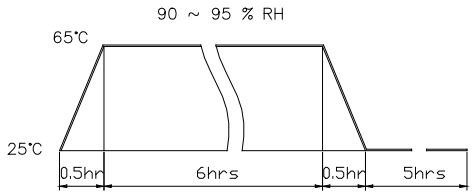
5. RELIABILITY

Items.		Specifications
01	**High temp. Test**	Keep 96 hours at +70℃±3℃ and leave 3 hours in normal temperature and then check
02	**Low temp. Test**	Keep 96 hours at -30℃±3℃ and leave 3 hours in normal temperature and then check
03	**Humidity test**	Keep 96 hours at + 60℃±3℃ relative humidity 95% and leave 3 hours in normal temperature and then checked.
04	**Temp./Humidity cycle**	The part shall be subjected 5 cycles. One cycle shall be 12 hours and consist of; 
05	**Thermal cycle test.**	Low temperature: -30℃±3℃, temperature:+70℃±3℃, cycle: 1 hour/cycle each, and then keep 5 cycles in a room.
06	**Vibration**	10~200~10Hz sin-wave sweep 15min. 5G(constant) X,Y, Z 3 direction. 2 hours each, total 6 hours.
07	**Fix drop test**	Fix on jig. Then drop from 152cm height to the concrete floor X,y, z 6 direction. 5 times each, total 30 times.
08	**Free drop test**	Free drop from 100cm height to the concrete floor X,Y, Z 6 direction. 1 times each, total 6 times.
09	**Load test**	Rated Power White noise is applied for 96 hours
10	**Max Power test**	Max power 1 min. on - 2 min. off 10 cycles.
11	**Terminal strength test**	Capable of withstand 1kg load for 30 seconds without resulting in any damage or rejection.
Criterion : After these test , the change of S.P.L shall be within ±3 dB		

6. SOLDERING CONDITION

Recommend using constant branding iron in 30W, and in temperature range 300±10°C. Soldering time not over 2 seconds.