
SPECIFICATION FOR APPROVAL

Product	DYNAMIC SPEAKER
Part No.	AS-23140D08-C0P
Customer Approval	

Approved By	Checked By	Made By



A & B Components

<http://www.speaker-tw.com>

AS-23140D08-C0P

01	Type	Dynamic speaker	
02	Dimension	External diameter 23 mm	
03	Rated Input Power	0.08 W	
04	Impedance	8 ohm \pm 20%	
05	Resonance Frequency (Fo)	1500 Hz \pm 20% at Fo, 1V	
06	Sensitivity (S.P.L.)	58dB(W/m) \pm 3 dB	at AVE 3.0K,3.5K,4.0K,4.5K(Hz).
		67dB(0.08W/0.1m) \pm 3 dB	
07	Frequency Range	600 – 20000Hz	
08	Max. Input Power	Must be normal at 0.15W white noise for 1 minute.	
09	Voice Coil	Diameter 7.5 mm	
10	Magnet	Rare earth permanent (Nd-Fe-B) magnet Φ 6.5	
11	Weight	3.2g \pm 0.3g	
12	Appearance	Should not exist any obstacle to be harmful to normal operation; damages, cracks, rusts and distortions, etc.	
13	Operation Test	Must be normal at program source –0.08W	
14	Buzz, Rattle, etc.	Should not be audible at 0.8V sine Wave between Fo to 20KHz	
15	Polarity	When positive voltage is applied to the terminal marked (+), diaphragm should move to the front.	
16	Load Test	0.08 W white noise is applied for 96 hours and satisfy the test listed on item 05,06,12,14	
17	High Temp. Test	Keep 96 hours at +70°C \pm 3°C and leave 3 hours in normal temperature and then check	
18	Low Temp. Test	Keep 96 hours at -30°C \pm 3°C and leave 3 hours in normal temperature and then check	
19	Humidity Test	Keep 96 hours at + 60°C \pm 3°C relative humidity 95% and leave 3 hours in normal temperature and then checked.	
20	Drop Test	Drop the speakers contained in normal box onto the board 20mm thick 10 times from the height of 0.75m and then should satisfy the test listed on item 12 and 14	

Measurement Condition

Test and measurement will be carried out under normal condition of temperature

within 5°C to 35°C ,relative humidity within 45% to 85% and air pressure of 860mbar to 1060mbar.

Should uncertainly arise in data obtained from the above atmosphere, control of temperature

At $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and relative humidity within 60% and 70%, with air pressure remaining unchanged,

To be enforced.

1.Microphone : B&K 4191

2.Testing Distance : 0.1m

3.Zero Level : -dB

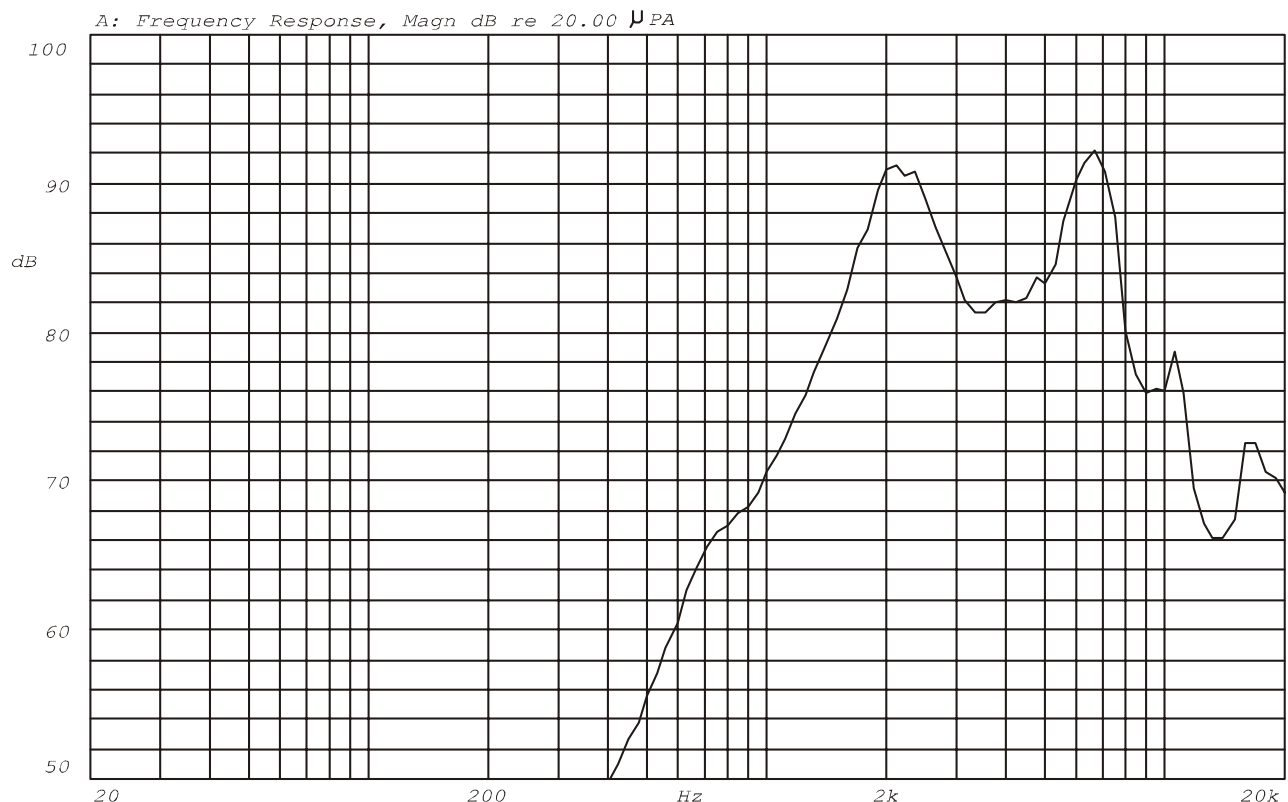
4.Mode : SPEAKER

5.Input Power : 0.08W

6.potentiometer Range : 50dB

7.Sweep Time : 0.5sec

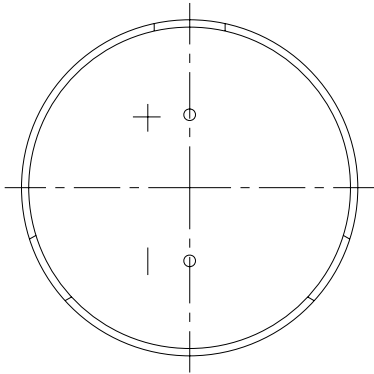
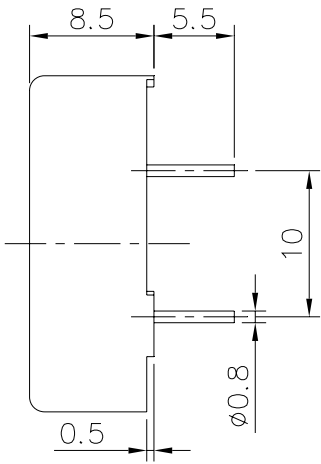
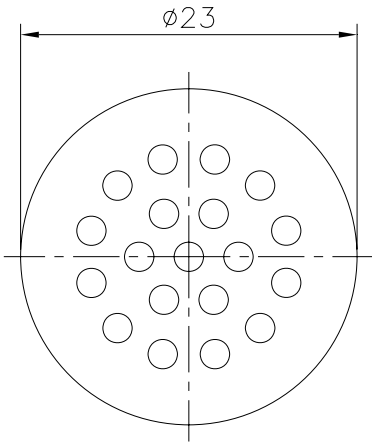
Frequency Response Curve



Mode: SPEAKER



REV NO.	REVISION NOTE	APPROVAL	DATE
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TITLE: DYNAMIC SPEAKER		DRAWN: Richard	11/13/2002	SCALE: 2:1	SHEET: 1 of 1
PART NO. AS-2314D08-COP	1	DESIGNED: R&D DEP.		UNITS: mm	
		CHECKED:		TOLERANCE ± 0.3	
		APPROVAL:		UNLESS OTHERWISE SPECIFIED:	
DWG NO. DTS-1341	REV	MATERIAL: NORYL		ONE PLACE DECIMAL ± ***	
				TWO PLACE DECIMAL ± ***	
				THREE PLACE DECIMAL ± ***	

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