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# SPECIFICATION FOR APPROVAL

Product	DYNAMIC SPEAKER
Part No.	AS-30125B08-C0P
Customer Approval	

Approved By	Checked By	Made By



A & B Components

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

## AS-30125B08-C0P

01	Type	Dynamic speaker	
02	Dimension	External diameter 29.85 mm	
03	Rated Input Power	0.15 W	
04	Impedance	8 ohm $\pm$ 20%	
05	Resonance Frequency (Fo)	1400 Hz $\pm$ 20% at Fo, 1V	
06	Sensitivity (S.P.L.)	69dB(W/m) $\pm$ 3 dB	at AVE 2.0K,2.5K,3.0K,3.5K(Hz).
		80dB(0.15W/0.1m) $\pm$ 3 dB	
07	Frequency Range	500 – 20000Hz	
08	Max. Input Power	Must be normal at 0.20W white noise for 1 minute.	
09	Voice Coil	Diameter 13.5 mm	
10	Magnet	Rare earth permanent (Nd-Fe-B) magnet $\Phi$ 12.5	
11	Weight	10g $\pm$ 0.5g	
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 –0.15W	
14	Buzz, Rattle, etc.	Should not be audible at 1.1V 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	0.15 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 -40°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  $5^{\circ}\text{C}$  to  $35^{\circ}\text{C}$  ,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

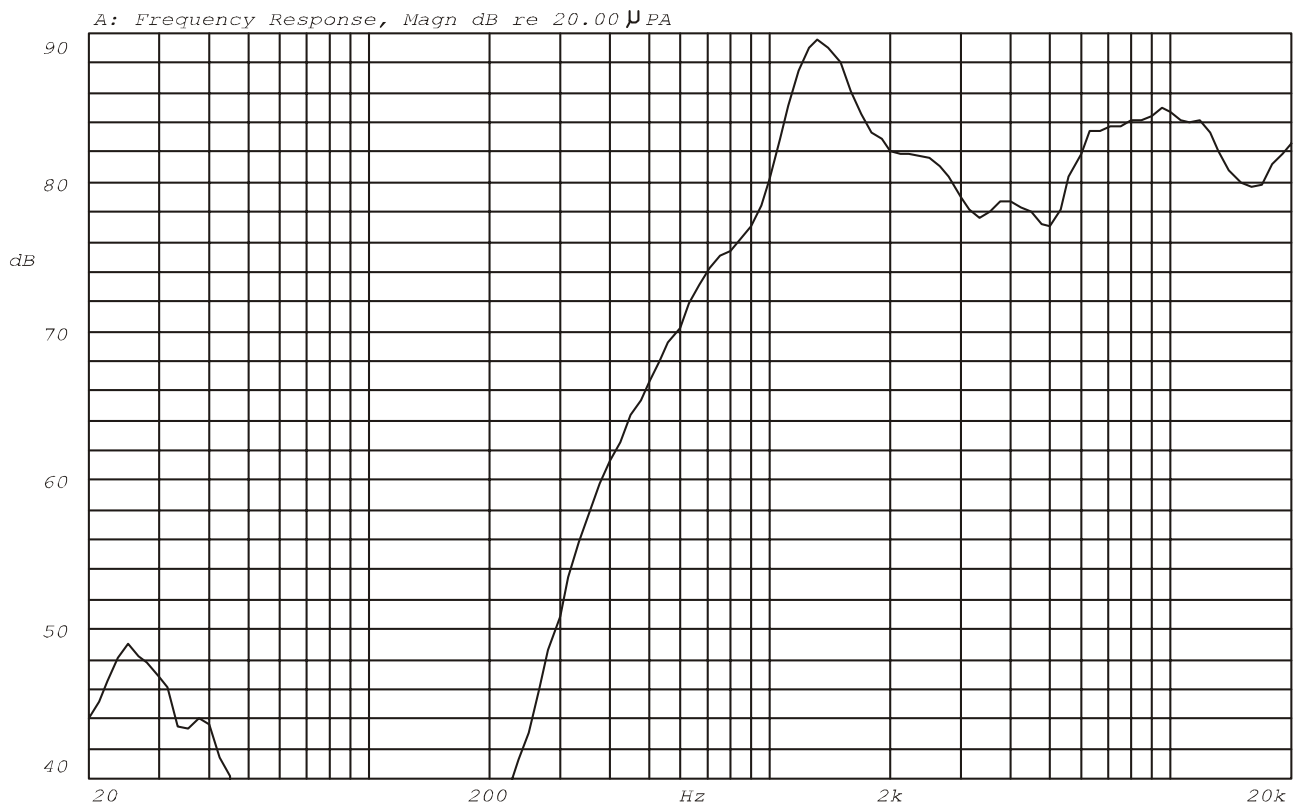
4.Mode : SPEAKER

5.Input Power : 0.15W

6.potentiometer Range : 50dB

7.Sweep Time : 0.5sec

# Frequency Response Curve



Mode: SPEAKER

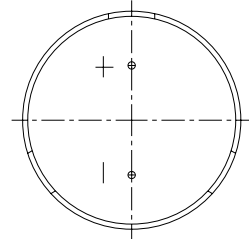
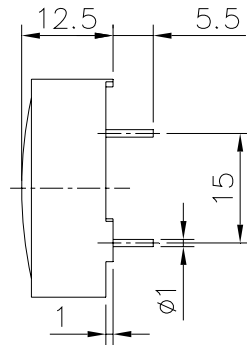
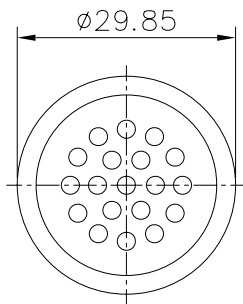


REV NO.

REVISION NOTE

APPROVAL

DATE



TITLE: <i>DYNAMIC SPEAKER</i>		DRAWN: <i>Richard</i> 11/13/2002	SCALE: 1:1	SHEET: 1 of 1
PART NO. <i>AS-30125B08-COP</i>		DESIGNED: <i>R&amp;D DEP.</i>	UNITS: <i>mm</i>	
DWG NO. <i>DTS-1343</i>		CHECKED:	TOLERANCE $\pm 0.3$	
		APPROVAL:	UNLESS OTHERWISE SPECIFIED:	
REV <i>1</i>		MATERIAL: <i>NORYL</i>	ONE PLACE DECIMAL $\pm$ ***	
			TWO PLACE DECIMAL $\pm$ ***	
			THREE PLACE DECIMAL $\pm$ ***	

*A & B Components*