SPECIFICATION FOR APPROVAL

Product	DYNAMIC SPEAKER			
Part No.	AS-57140B08-B16T			
Customer				
Approval				

Approved By	Checked By	Made By



A & B Components

http://www.speaker-tw.com

AS-57140B08-B16T

04	Time	D				
01	Туре	Dynamic speaker	Dynamic speaker			
02	Dimension	External diameter 57 mm				
03	Rated Input Power	0.5 W				
04	Impedance	8 ohm ± 15% at 1000Hz				
05	Resonance Frequency (Fo)	500 Hz ± 20% at Fo, 1V				
06	Sensitivity (S.P.L.)	84dB(1W/1m) ± 3 dB	at AVE 0.8K,1.0K,1.2K,1.5K(Hz).			
07	Frequency Range	Fo – 4000Hz				
08	Distortion	Less than 10 % at 1000Hz 0.5 W				
09	Max. Input Power	Must be normal at 0.5W white noise for 1 minute.				
10	Voice Coil	Diameter 13.2 mm				
11	Magnet	Rare earth permanent (Nd-Fe-B) magnet Φ12.5 x 2.5mm				
12	Weight	20 g ± 5%				
13	Appearance	Should not exist any obstacle to be harmful to normal operation; damages, cracks, rusts and distortions, etc.				
14	Operation Test	Must be normal at program source –0.5W				
15	Buzz, Rattle, etc.	Should not be audible at 2.0V sine Wave between Fo to 20KHz				
16	Polarity	When positive voltage is applied to the terminal marked (+), diaphragm should move to the front.				
17	Terminal Strength	Capable of withstand 1kg load for 30 seconds without resulting in any damage or rejection.				
18	Load Test	0.5 W white noise is applied for 96 hours and satisfy the test listed on item 05,06,13,15				
19	High Temp. Test	Keep 96 hours at +70°C±3°C and leave 3 hours in normal temperature and then check				
20	Low Temp. Test	Keep 96 hours at -20°C±3°C and leave 3 hours in normal temperature and then check				
21	Humidity Test	Keep 96 hours at + 60° C ± 3° C relative humidity 95% and leave 3 hours in normal temperature and then checked.				
22	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 13 and 15				

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° C $\pm 2^{\circ}$ C and relative humidity within 60% and 70%, with air pressure remaining unchanged, To be enforced.

1.Microphone: B&K 4191

2.Standard Baffle: In IEC 268-5 Where 1350mm x 1650mm

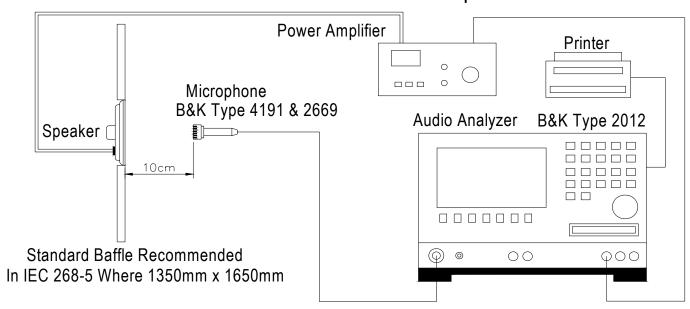
3.Testing Distance: 0.1m

4.Zero Level : -dB 5.Mode : SPEAKER 6.Input Power : 0.5W

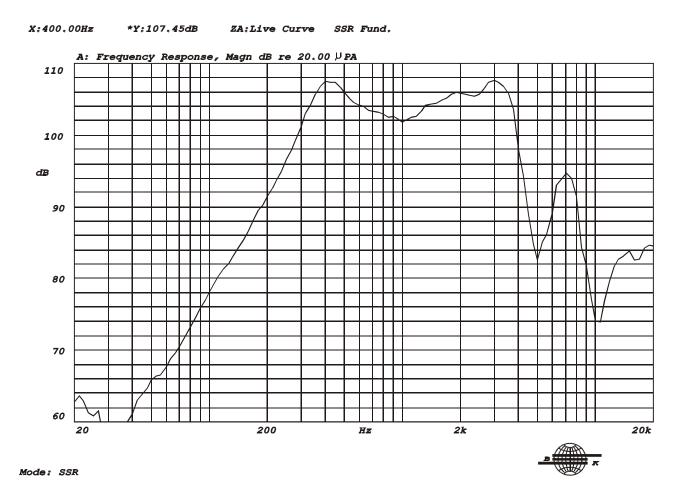
7.potentiometer Range: 50dB

8.Sweep Time: 0.5sec

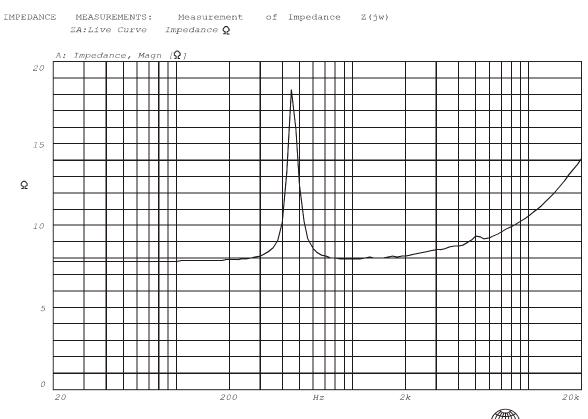
Standard test condition of speaker



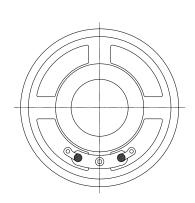
Frequency Response Curve

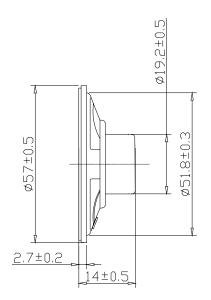


Impedance Curve



REV NO. REVISION NOTE APPROVAL DATE





NOTE:

TITLE:	DYNAMIC SPEAKER		DRAWN:	Richard	2008/05/14	SCALE: 1	:1 SH.	EET: 1 c	of 1
			DESIGNED:	R&D DEF	•	UNITS:	mm		
PART NO.	AS-57140B08-B16T	1	CHECKED:			TOLERAN UNLESS 0			FIFD:
DWG NO.	4.77. 0.00.74.40.4		APPROVAL:			ONE PLAC	CE DECIMA	AL ± **	**
<i>D</i> " O 1 V O .	<i>AEK</i> -08051401	REV	MATERIAL:	****				CCIMAL ± *** DECIMAL ± ***	

A & B Components