SPECIFICATION FOR APPROVAL

Product	DYNAMIC SPEAKER			
Part No.	AS-50125B50-B0T			
Customer				
Approval				

Approved By	Checked By	Made By		



A & B Components

http://www.speaker-tw.com

AS-50125B50-B0T

01	Туре	Dynamic speaker				
02	Dimension	External diameter 50 mm				
03	Rated Input Power	0.25 W				
04	Impedance	50 ohm ± 15% at 1000 Hz				
05	Resonance Frequency (Fo)	400 Hz ± 20% at Fo, 1V				
06	Sensitivity (S.P.L.)	87dB(W/m) ± 3 dB	-+ A)/E O OK 4 OK 4 OK 4 EK/LI-)			
		100dB(0.25W/0.1m) ± 3 dB	at AVE 0.8K,1.0K,1.2K,1.5K(Hz).			
07	Frequency Range	Fo – 4.5KHz				
08	Distortion	Less than 10 % at 1000 Hz 0.25 W				
09	Max. Input Power	Must be normal at 0.4 W white noise for 1 minute.				
10	Voice Coil	Diameter 13.28 mm				
11	Magnet	Rare earth permanent (Nd-Fe-B) magnet Φ12.5 x 2.5mm				
12	Weight	20g ± 1g				
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 –0.25W				
15	Buzz, Rattle, etc.	Should not be audible at 3.54V 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	0.25 W white noise is applied for 96 hours and satisfy the test				
19	High Temp. Test	listed on item 05,06,13,15 Keep 96 hours at $+70^{\circ}$ C $\pm 3^{\circ}$ C	and leave 3 hours in normal			
17	rngn remp. rest	temperature and then check				
20	Low Temp. Test	Keep 96 hours at -20° C $\pm 3^{\circ}$ 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

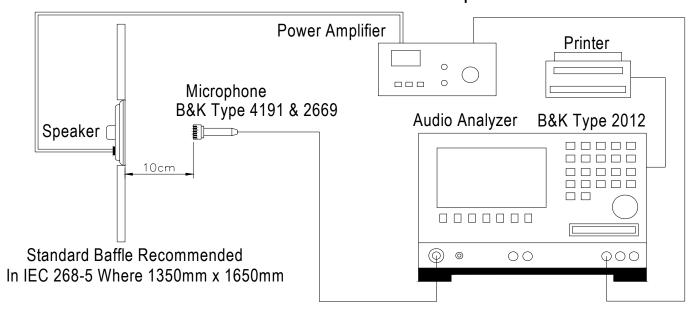
3.Testing Distance: 0.1m

4.Zero Level : -dB 5.Mode : SPEAKER 6.Input Power : 0.25W

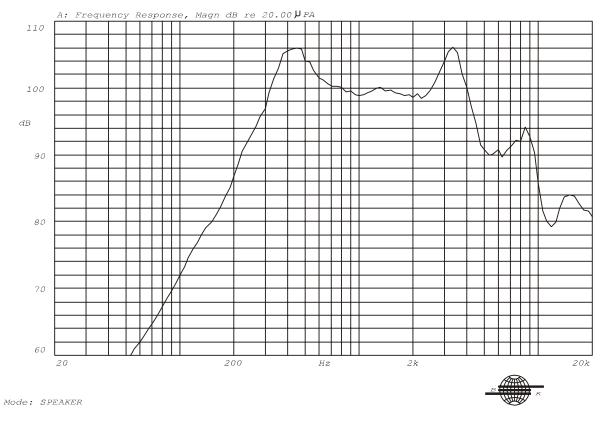
7.potentiometer Range: 50dB

8.Sweep Time: 0.5sec

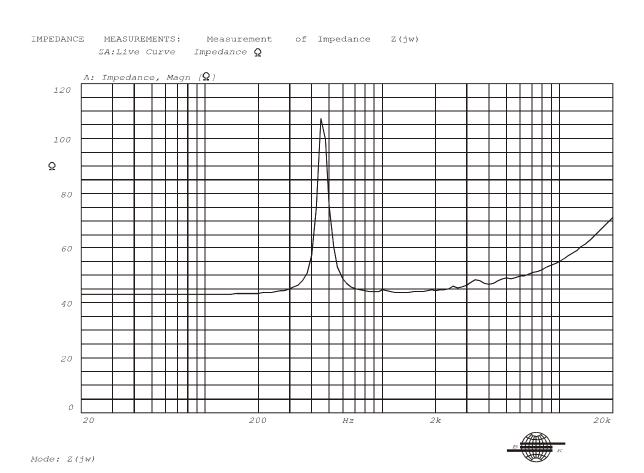
Standard test condition of speaker

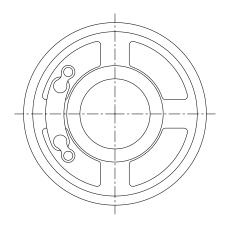


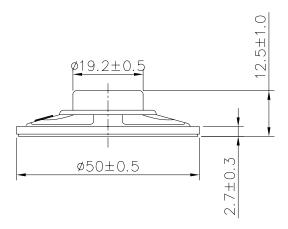
Frequency Response Curve

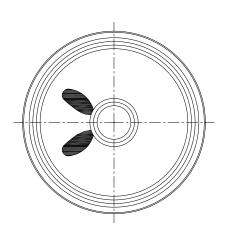


Impedance Curve









TITLE:	TITLE: DYNAMIC SPEAKER		DRAWN:	Richard	07/23/2002	SCALE: 1:1	SHEET: 1 of 1
			DESIGNED.	'D: R&D DEP.		UNITS: mm	
PART NO.	AS-50125B50-B0T	1	CHECKED:			TOLERANCE	\pm 0.5 RWISE SPECIFIED:
DWG NO.	110 00720000 001	/ /	APPROVAL:			ONE PLACE D	ECIMAL ± ***
DWG NO.	DTS-1285	REV	MATERIAL:	****			ECIMAL ± *** C DECIMAL ± ***

A & B Components