SPECIFICATION FOR APPROVAL

Product	DYNAMIC SPEAKER			
Part No.	AS-7141250B08-R4T			
Customer				
Approval				

Approved By	Checked By	Made By



A & B Components

http://www.speaker-tw.com

AS-7141250B08-R4T

01	Туре	Dynamic speaker				
02	Dimension	External diameter 71*41 mm				
03	Rated Input Power	4 W				
04	Impedance	8 ohm ± 15% at 1K Hz				
05	Resonance Frequency (Fo)	380 Hz ± 20% at Fo, 1V				
06 Sensitivity (S.P.L.)	81dB(W/m) ± 3 dB					
	Sensitivity (S.P.L.)	100dB(1W/0.1m) ± 3 dB	at AVE 0.6K,0.8K,1K,1.2K(Hz).			
07	Frequency Range	Fo – 20KHz) – 20KHz			
08	Distortion	Less than 10 % at 1K Hz 4 W				
09	Max. Input Power	Must be normal at 5W white noise for 1 minute.				
10	Voice Coil	Diameter 13.28 mm				
11	Magnet	Rare earth permanent (Nd-Fe-B) magnet Φ12.5x3mm				
12	Weight	38g ± 4g				
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 –4W				
15	Buzz, Rattle, etc.	Should not be audible at 5.7V 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	4 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

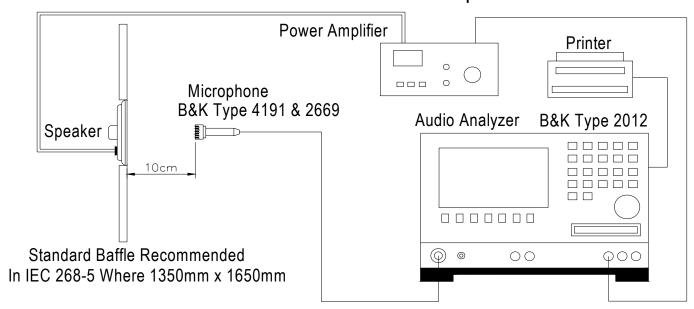
3.Testing Distance: 0.1m

4.Zero Level : -dB 5.Mode : SPEAKER

6.Input Power : 1W(2.83V).7.potentiometer Range : 50dB

8.Sweep Time: 0.5sec

Standard test condition of speaker

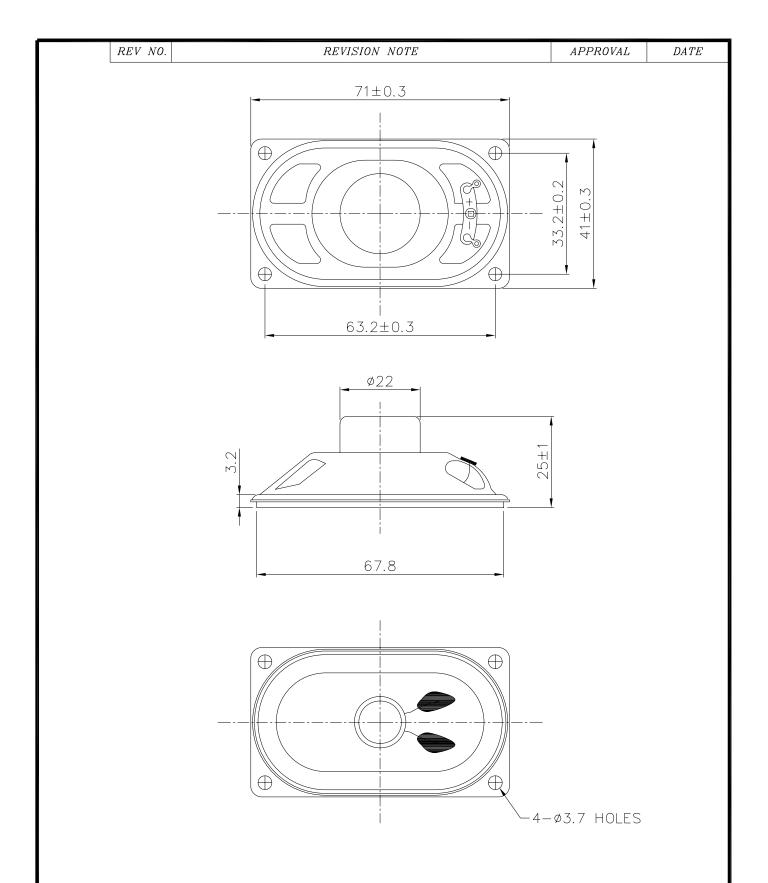


Frequency Response Curve



Impedance Curve





TITLE: DYNAMIC SPEAKER		DRAWN:	Richard	02/06/2004	SCALE:	1:1	SHEET: 1 o	of 1
			: $R&D$ DEP .		UNITS: mm			
4RT NO. AS-7141250B08-R47	7 1	CHECKED:			TOLERA		\pm 0.5 WISE SPECIF	FIED:
WC NO		APPROVAL:			ONE PI	LACE DI	ECIMAL ± *** ECIMAL ± ***	*
DTS-1399	REV	MATERIAL:	****				$DECIMAL \pm \frac{444}{2}$	

A & B Components