SPECIFICATION FOR APPROVAL

Product	DYNAMIC SPEAKER	
Part No.	AS-9050355Z04-R1T	
Customer		
Approval		

Approved By	Checked By	Made By



A & B Components

http://www.speaker-tw.com

1. SPECIFICATION

ITEM SPECIFICATIONS		CATIONS		
01	Туре	Dynamic speaker		
02	Dimension	External diameter 90 x 50 mm		
03	Rated Input Power	4.0 W		
04	Max. Input Power	5.0 W for 1 minute		
05	Impedance	$4\Omega \pm 15\%$ at 0.8 KHz 1V		
06	Resonance Frequency (Fo)	250 Hz ± 20% at Fo, 1V		
07 Sensitivity (S.P.L.)	Concitivity (C.D.L.)	$88 \text{ dB}(1.0\text{W}/0.5\text{M}) \pm 3 \text{ dB}$	o+ /\/\/\	
07	Sensitivity (S.P.L.)	104 dB(4.0W/0.1M) ± 3 dB	at AVE 0.8, 1.0, 1.2, 1.5 KHz.	
08	Frequency Range	Fo – 10 K Hz		
09	Total Harmonics Distortion	Max 10 % at 1 KHz, 1.5V.		
10	Voice Coil	Diameter 12.8 mm		
11	Magnet	Rare earth permanent (Ferrite) magnet Φ 45 x 22 x 8 mm		
12	Weight	136 g ± 40 g		
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 4.0 W		
15	Buzz, Rattle, etc.	Should not be audible at 4.0 V 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 15 seconds without resulting in any damage or rejection.		
18	Temperature	Operating temperature: -20°C to +60°C Storage temperature: -30°C to +70°C		

2. MEASURING METHOD

2-1 Test Condition

STANDARD

Temperature : 15 ~ 35°C

Relative humidity: 45% ~ 85%,

Atmospheric pressure: 860mbar to 1060mbar.

JUDGEMENT

Temperature : 20±3°C

Relative humidity: 60% ~ 70%,

Atmospheric pressure: 860mbar to 1060mbar

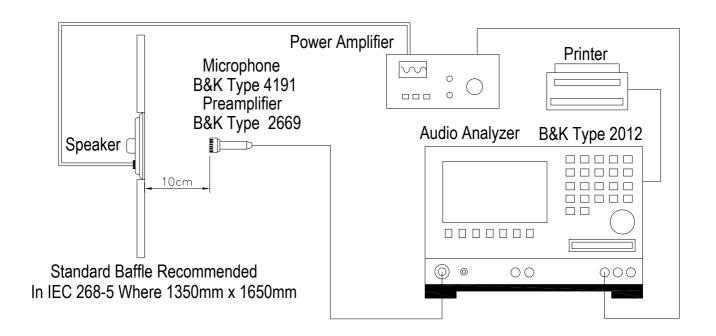
2-2. Standard Test Fixture

1. Input Power: 4.0 W (4.0 V)

Zero Level : -dB
 Mode: SPEAKER

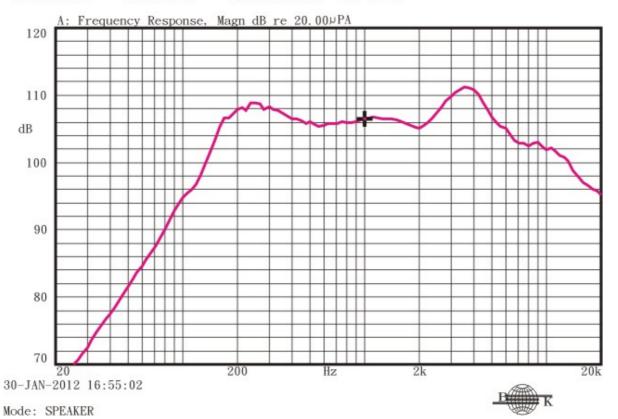
4. Potentiometer Range: 50dB

5. Sweep Time: 0.5sec



2-3. Frequency Response Curve

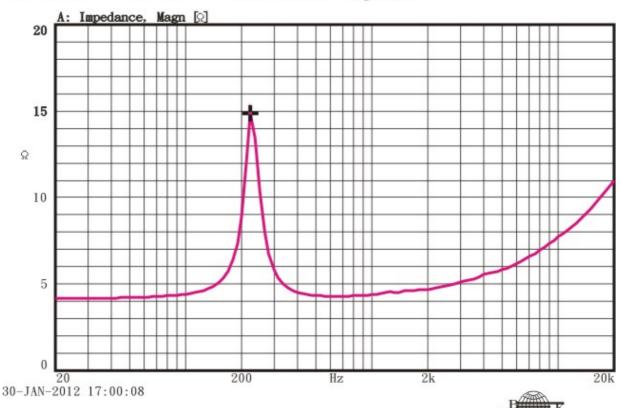


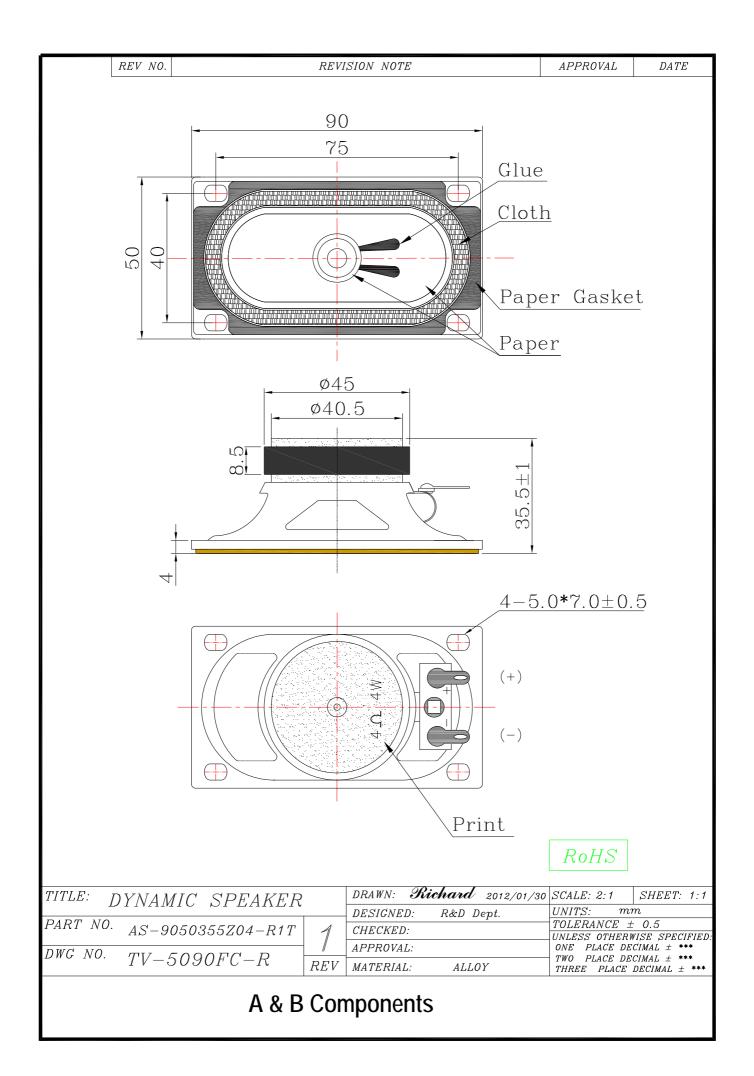


2-4. Impedance Curve

Mode: Z(jw)

IMPEDANCE MEASUREMENTS: Measurement of Impedance Z(jw) X:224.00Hz Y:14.85 \(\text{ZA:Live Curve} \) Impedance





4. RELIABLITY TESTS

ature
ature
nours
thick
iny

Criterion:

- 1. After testing any of the above reliability test items, the change of S.P.L shall be within ± 3 dB.
- 2. If you need more information, please contact our technology department, thank you.

SOLDERING CONDITION

Recommend using constant searing-iron in temperature range 360±5°C. Soldering time 2 seconds.