
SPECIFICATION FOR APPROVAL

Product	DYNAMIC RECEIVER
Part No.	AR-2348A16-0T
Customer Approval	

Approved By	Checked By	Made By



A & B COMPONENTS

[HTTP://WWW.SPEAKER-TW.COM](http://www.speaker-tw.com)

AR-2348A16-0T

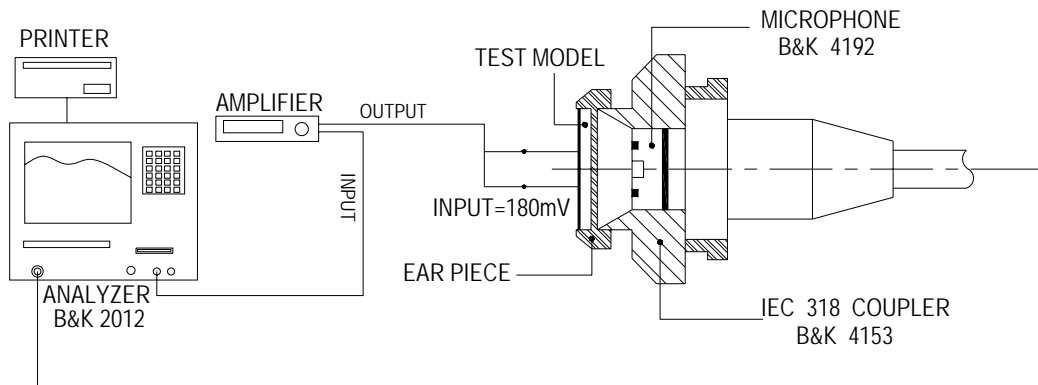
ITEMS.		SPECIFICATIONS
01	Type	Dynamic receiver unit
02	Dimension.	External diameter 23 mm
03	Sensitivity (S.P.L)	117dB \pm 3 dB at 1kHz 180mV with IEC 318 coupler
04	Frequency Response.	Refer to frequency response chart.
05	Impedance.	16 Ohm \pm 20% at 1KHz
06	Magnet Field Intensity.	Axial – dB , Radial –dB at 1KHz
07	Nominal Input Power	30 mW
08	Max. Input Power.	Must be normal at a white noise , 40mW for 1 minute.
09	Weight.	3.8g \pm 0.3g
10	Appearance.	Should not exist any obstacle to be harmful to normal operation: damages, cracks, rusts, and distortions, etc.
11	Buzz, Rattle, Etc.	Should not be audible at 0.69V sine wave between 300 Hz to 3.4 kHz.
12	Terminal Strength.	Capable of withstanding 1 kg load for 15 sec without resulting in any damage or rejection.
13	Load Test.	0.69V white noise (-filter) is applied for 72 hours satisfy the tests listed on item 03,04,09, and10
ENVIRONMENTAL TEST.		
Sensitivity difference shall be within \pm 3 dB and should satisfy the listed on item03,04, 09 and 10, after each following test.		
01	Thermal Cycle Test.	Low temperature: -40°C \pm 3°C , temperature:+70°C \pm 3°C , cycle: 6hour/cycles each, and then keep 2 hours in a room.
02	High Temp. Test.	Keep 96 hours at +70°C \pm 3°C and leave 6 hours in normal temperature and then check.
03	Low Temp. Test.	Keep 96 hours at -40°C \pm 3°C and leave 6 hours in normal temperature and then check.
04	Humidity Test	Keep 96 hours at +40°C \pm 3°C and relative humidity 95% and leave 3 hours in normal temperature and then check.

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 $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and relative humidity within 60% and 70%, With air pressure remaining unchanged, to be enforced.

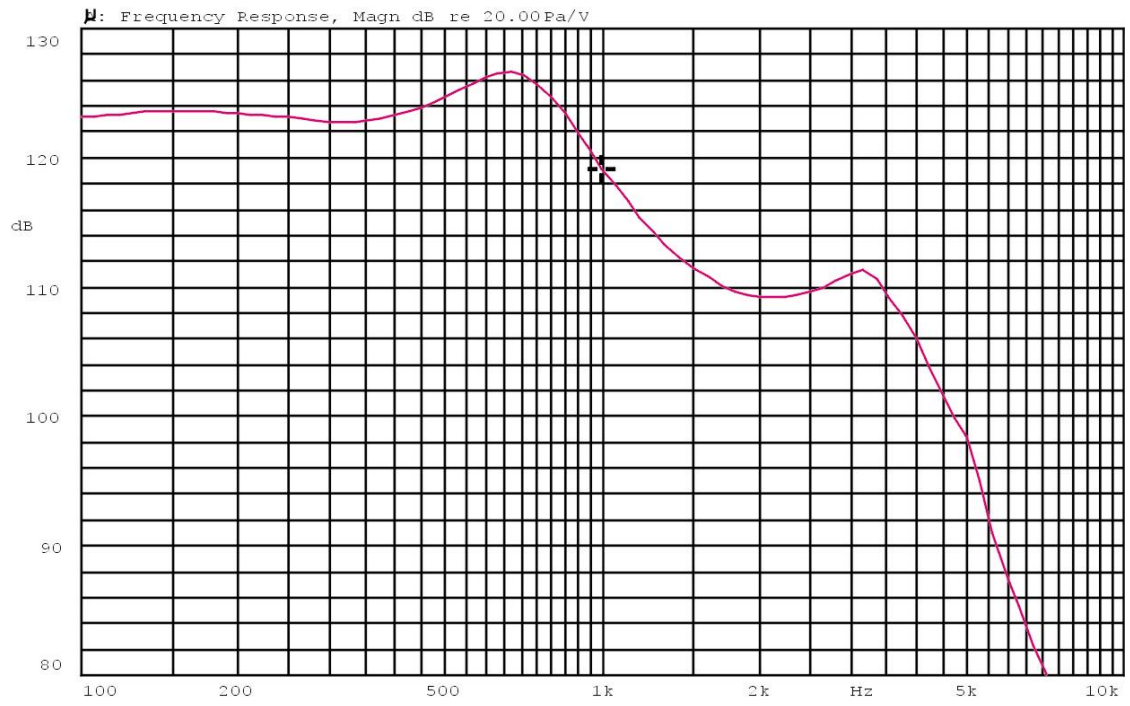
1. Test signal. :180mV
2. Sweep freq. Response. :Apply test signal varying logarithmical from 100Hz to 10kHz, 2 times for 0.5 second.
3. S.P.L (Sensitivity). :Read out average figure of S.P.L meter needle.
4. Freq. response curve. :Apply test signal and check response curve with frequency response recorder.



FREQUENCY RESPONSE CURVE

AR-2316AA-0

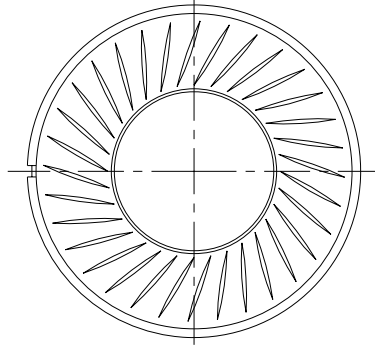
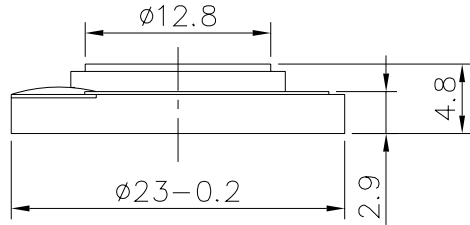
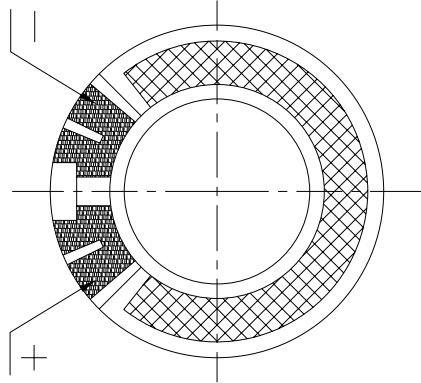
X:1.0000kHz Y:119.15dB ZA:Live Curve SSR Fund.



Mode: Receiver



REV NO.	REVISION NOTE	APPROVAL	DATE
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TITLE: RECEIVER		DRAWN: <i>Richard</i> 06/28/2004	SCALE: 2:1	SHEET: 1 of 1
PART NO. AR-2348A16-0T		DESIGNED: R & D DEP.	UNITS: mm	
DWG NO. DTR-1089		CHECKED:	TOLERANCE ± 0.2	
		APPROVAL:	UNLESS OTHERWISE SPECIFIED:	
REV 1		MATERIAL: *****	ONE PLACE DECIMAL \pm ***	
			TWO PLACE DECIMAL \pm ***	
			THREE PLACE DECIMAL \pm ***	

A & B Components