SPECIFICATION FOR APPROVAL

Product	DYNAMIC RECEIVER
Part no.	AR-2352A32-0W
Customer Approval	

Approved By	Checked By	Made By

A & B COMPONENTS

HTTP://WWW.SPEAKER-TW.COM

1. SPECIFICATION

AR-2352A32-0W

ITEMS.		SPECIFICATIONS
01	Type	Dynamic 23mm receiver unit
02	Sensitivity (S.P.L)	132dB ±3 dB at 1kHz 800mV with IEC 318 coupler
03	Impedance.	32 Ohm ±15% at 1KHz
04	Magnet Field Intensity.	Axial – dB , Radial –dB at 1KHz
05	Nominal Input Power	20mW
06	Max. Input Power.	Must be normal at a white noise , 30mW for 1 minute.
07	Total Harmonics Distortion	Max 5 % at 1K Hz.
08	Operation temperature	-20℃ to +60℃
09	Storage temperature	-30℃ to +70℃
10	Weight.	2.9g ±0.3g

2. MEASURING METHOD

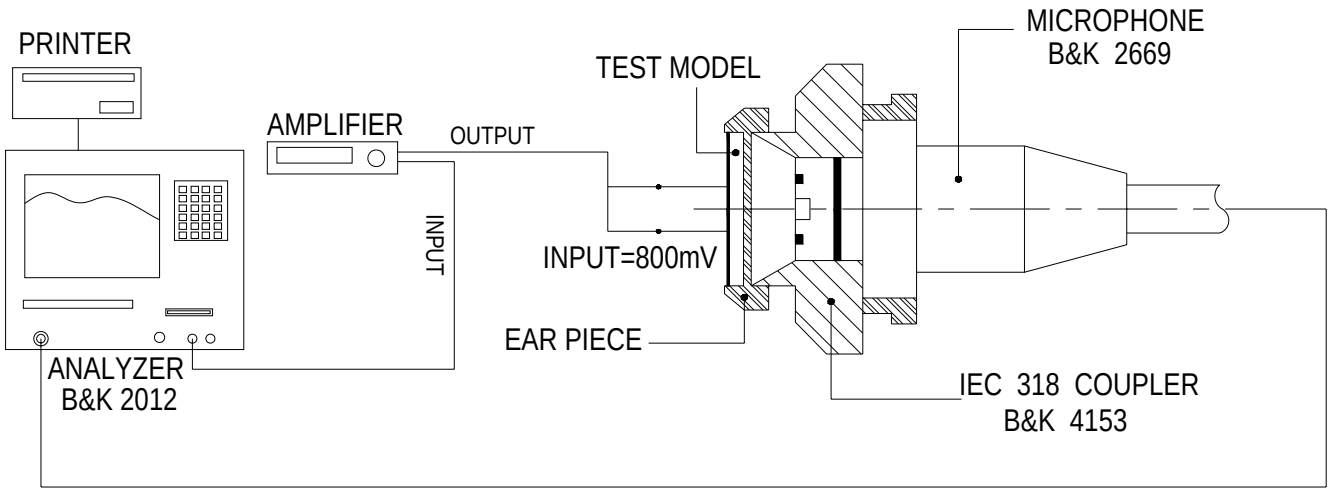
2-1. Test Condition

STANDARD
Temperature : 15 ~ 35℃
Relative humidity : 45% ~ 85%,
Atmospheric pressure : 860mbar to 1060mbar.

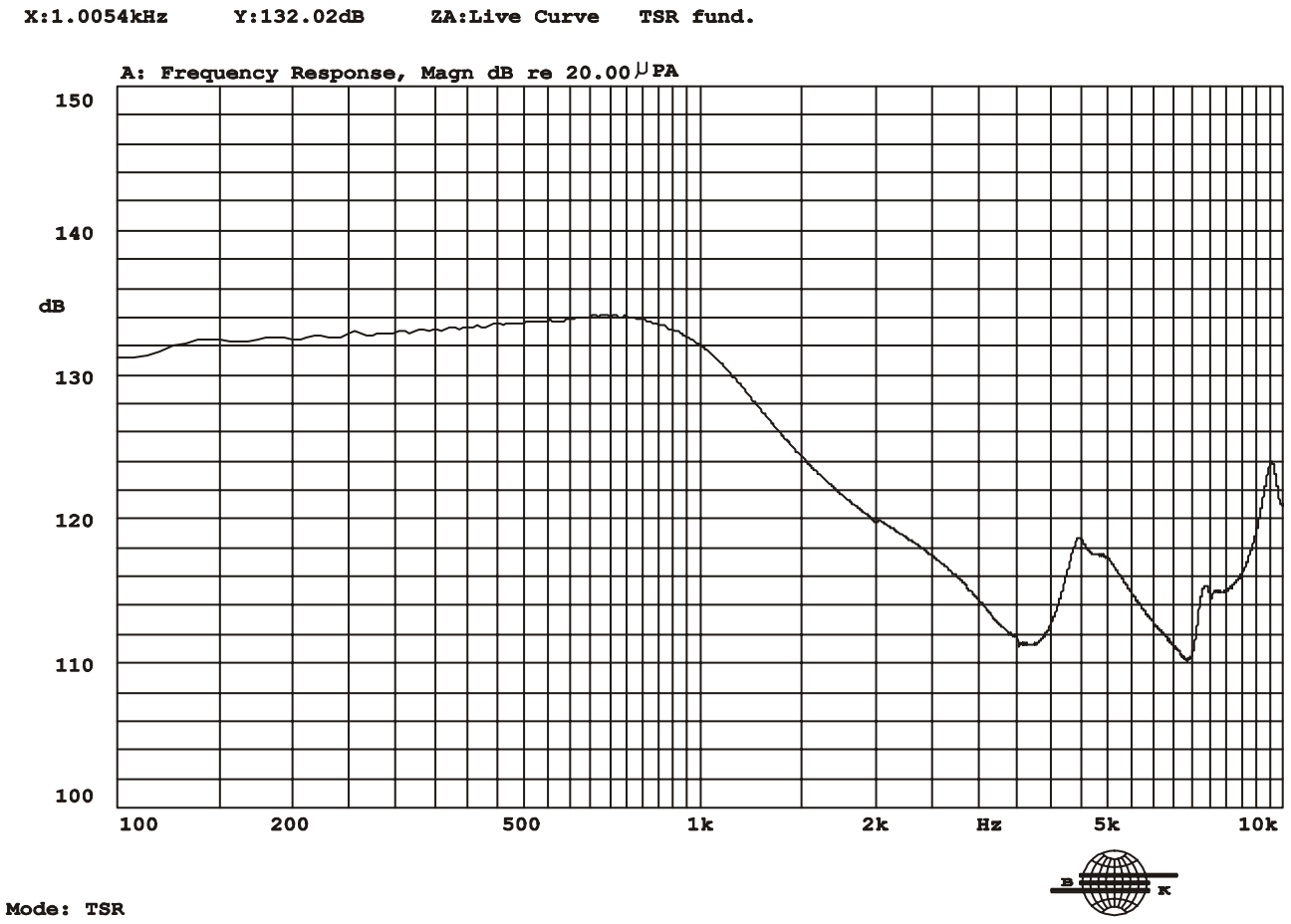
JUDGEMENT
Temperature : 20±3℃
Relative humidity : 60% ~ 70%,
Atmospheric pressure : 860mbar to 1060mbar

2-2. Standard Test Fixture

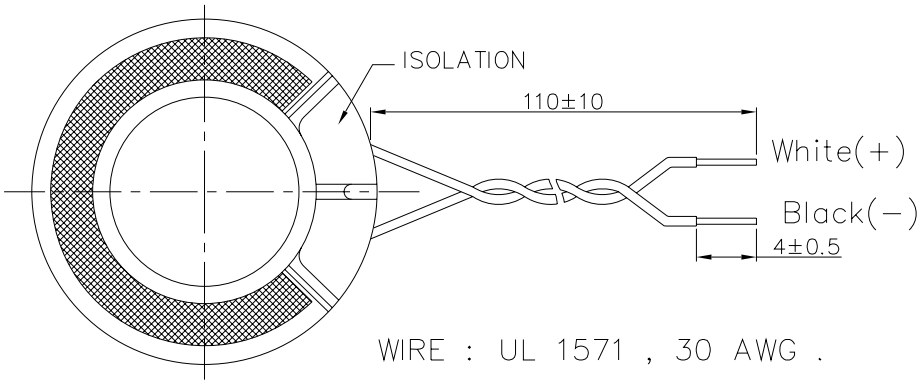
Input signal : 180mV



2.3 2Frequency Response Curve



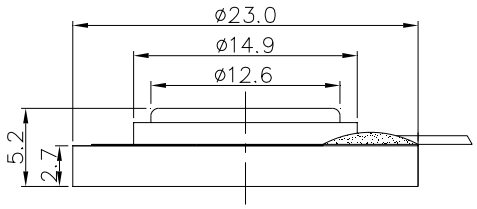
REV NO.	REVISION NOTE	APPROVAL	DATE

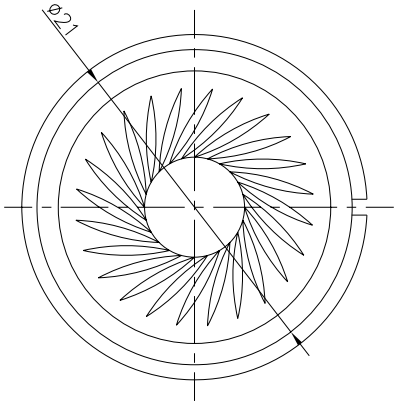


WIRE : UL 1571 , 30 AWG .

CASE : ABS .

DIAPHRAGM : MYLAR .

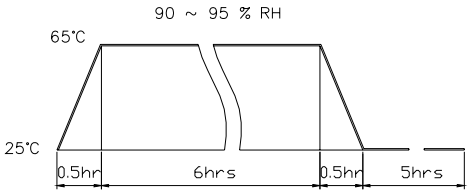




TITLE: DYNAMIC RECEIVER		DRAWN: Richard 2007/07/17	SCALE: 1:1	SHEET: 1 of 1
PART NO. AR-2352A32-0W	1	DESIGNED: R&D DEP.	UNITS: mm	
		CHECKED:	TOLERANCE ± 0.2	
DWG NO. DRE-1033	REV	APPROVAL:	UNLESS OTHERWISE SPECIFIED: ONE PLACE DECIMAL ± *** TWO PLACE DECIMAL ± *** THREE PLACE DECIMAL ± ***	
		MATERIAL: *****		

A & B Components

4. RELIABLITY TESTS

ITEMS.		SPECIFICATIONS
01	High temp. Test	Keep 96 hours at +70℃±3℃ and leave 3 hours in normal temperature and then check
02	Low temp. Test	Keep 96 hours at -20℃±3℃ and leave 3 hours in normal temperature and then check
03	Humidity test	Keep 96 hours at + 40℃±3℃ relative humidity 90% and leave 3 hours in normal temperature and then checked.
04	Temp./humidity cycle	The part shall be subjected 5 cycles. One cycle shall be 12 hours and consist of; 
05	Thermal Cycle Test.	Low temperature: -40℃ ±3℃, temperature:+70℃ ±3℃, cycle: 1 hour/cycle each, and then keep 5 cycles in a room.
06	Vibration	10~200~10Hz Sin-Wave Sweep 15min. 5G(Constant) X,Y, Z 3 direction. 2 hours each, total 6 hours.
07	Fix Drop test	Fix on Jig. then drop from 152cm height to the concrete floor X,Y, Z 6 direction. 5 times each, total 30 times.
08	Free Drop test	Free drop from 100cm height to the concrete floor X,y, z 6 direction. 1 times each, total 6 times.
09	Load test	Rated power white noise is applied for 96 hours
10	Max Power test	Max Power 1 min on – 2 min off 10 cycles.

SOLDERING CONDITION

Recommend using constant branding iron in 30W, and in temperature range 300±10°C
Soldering time 2 seconds.