MESSRS.

SPECIFICATION FOR APPROVAL

承 認 書

Product	DYNAMIC RECEIVER	
Part NO.	AR-1332DA-38W	**(ROHS)**

Approved By	Checked By	Made By
工程部 JEFF FANG JUL-30-2009	工程部 GEOR DING JUL-30-2009	工程部 LEMON LEE JUL-30-2009

CUSTOMER APPROVAL RESULT	

Advanced Acoustic Technology Corporation

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ISO 9001 Certified

ISO 14001 CERTIFIED

QS9000 CERTIFIED

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EDITION:1.2

1. SPECIFICATION AR-1332DA-38W(ROHS)

ITEMS.		SPECIFICATIONS
01	Type	Dynamic 13.0mm receiver unit
02	Sensitivity (S.P.L)	111dB ±3 dB at 1kHz 180mV 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	10mW
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.	1.3g ±0.3g

2. MEASURING METHOD

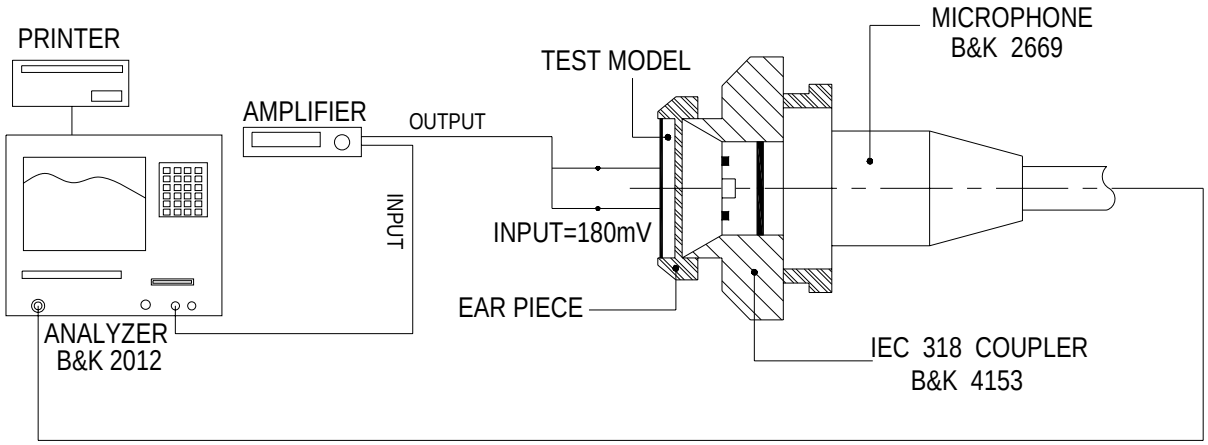
2-1. Test Condition

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

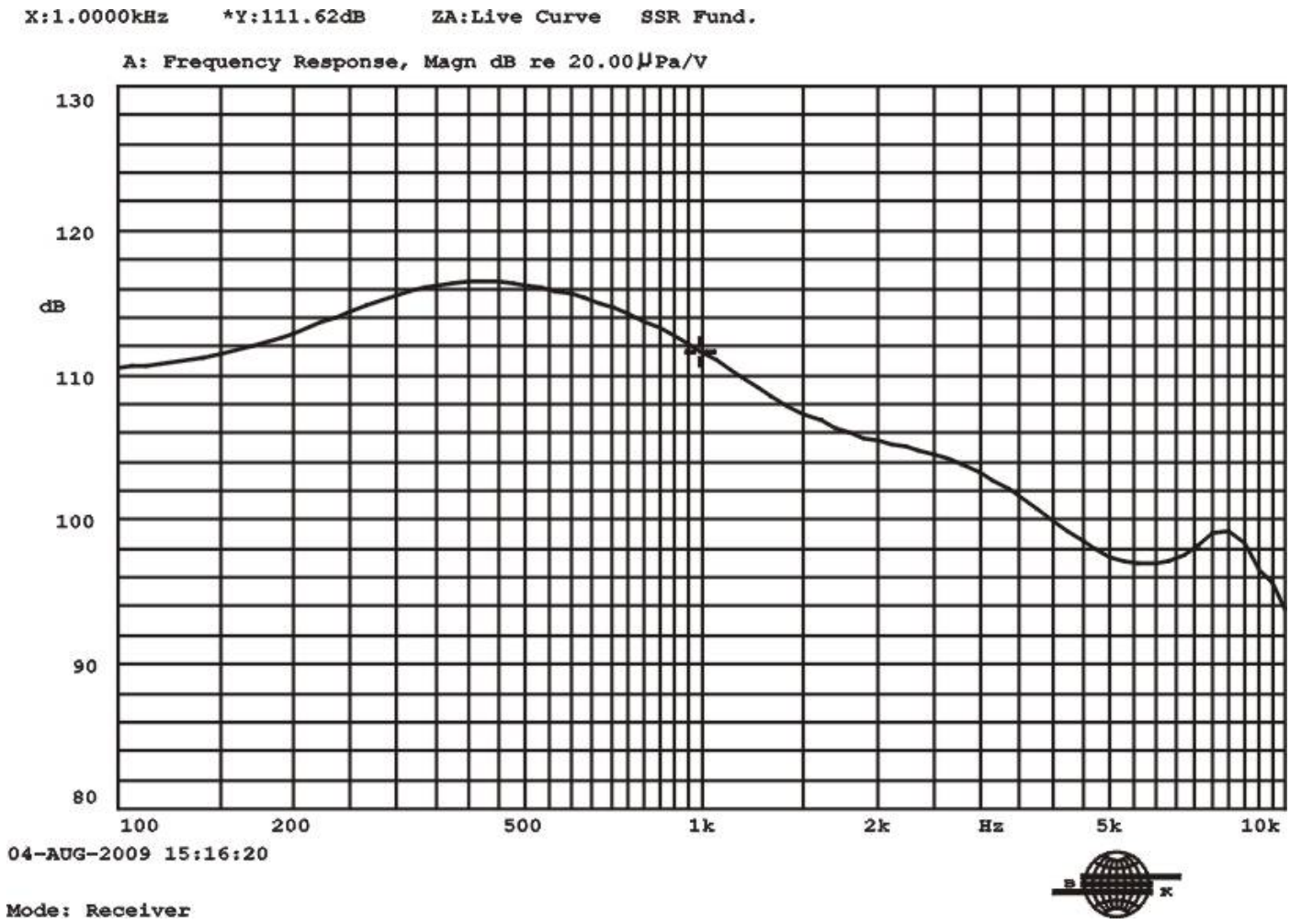
JUDGEMENT
Temperature : 20±3℃
Relative humidity : 60% ~ 70%,
Atmospheric pressure : 860mbar to 1060mbar

2-2. Standard Test Fixture

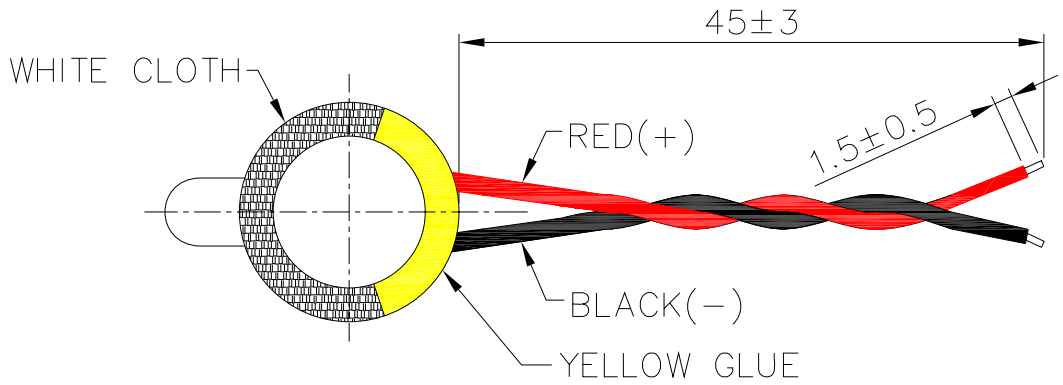
Input signal : 180mV

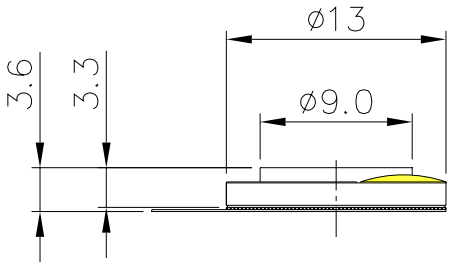


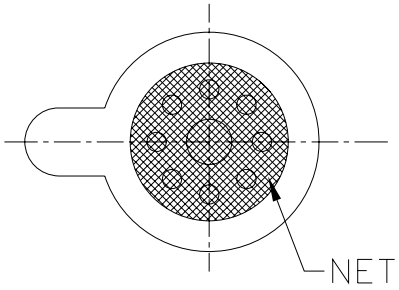
2.3 2Frequency Response Curve



REV NO.	REVISION NOTE	APPROVAL	DATE





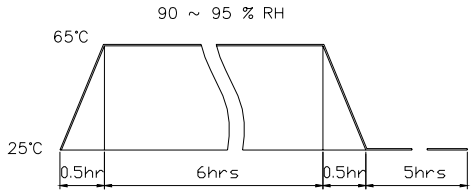


WIRE: UL1571,32AWG

TITLE: DYNAMIC RECEIVER		DRAWN: Lemon 2009-7-30	SCALE: 3:1	SHEET: 1 of 1
PART NO. AR-1332DA-38W	1	DESIGNED: R & D OF AAT	UNITS: mm	
DWG NO. CA-R09073001	REV	CHECKED:	TOLERANCE ± 0.3	
		APPROVAL:	UNLESS OTHERWISE SPECIFIED: ONE PLACE DECIMAL ± *** TWO PLACE DECIMAL ± *** THREE PLACE DECIMAL ± ***	
		MATERIAL: PBT		

笠翔科技股份有限公司
ADVANCED ACOUSTIC TECHNOLOGY CORPORATION

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: -20℃ ±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.

5.SOLDERING CONDITION

Recommend using constant branding iron in 30W, and in temperature range 350±10°C.
SOLDERING TIME 2 SECONDS