

SPECIFICATIONS SHEET FOR APPROVAL

DYNAMIC RECEIVER
P/N: DR20APW150

**DESCRIPTION: D20, H4.2mm Dynamic Receiver, 300-3000Hz,
150Ohm, with 40mm wire (Black & Red),
RoHS Compliance (Directive 2002/95/EC)**

VERSION: 01

DATE: 19-Dec-2007

REVISIONS

VERSION	DESCRIPTION	DATE
01	Released from engineering	19-Dec-07

APPROVED BY :

CUSTOMER NAME :

DATE :

SPECIFICATIONS SHEET

DYNAMIC RECEIVER

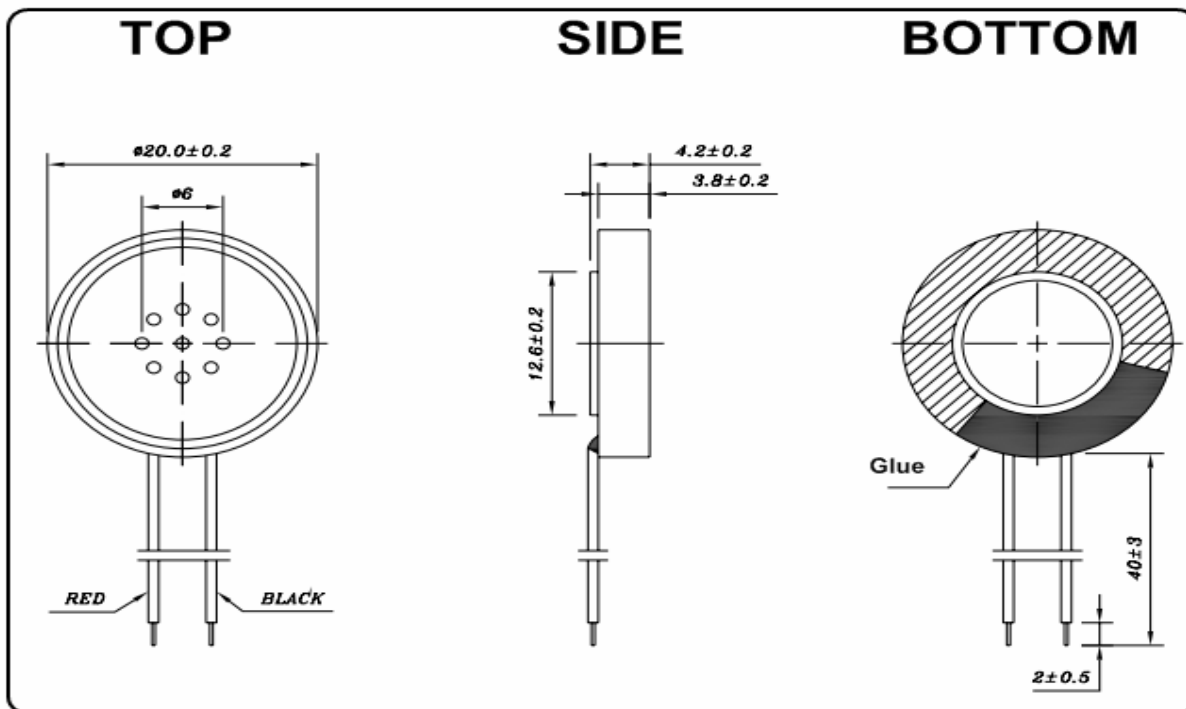
P/N: DR20APW150

1. SPECIFICATIONS

PARAMETERS	VALUES	UNITS
*SOUND PRESSURE LEVEL	98 ± 3	dBA
FREQUENCY RANGE	300 - 4,000	Hz
RATED IMPEDANCE(AT 1KHz)	150 ± 15%	Ohm
RATED POWER	10	mW
MAX POWER	30	mW
OPERATING TEMPERATURE	-20 to +60	°C
STORAGE TEMPERATURE	-40 to +70	°C
HOUSING	PLASTIC	-

*Tested with 1KHz, 100mV

2. DIMENSIONS (unit in mm)



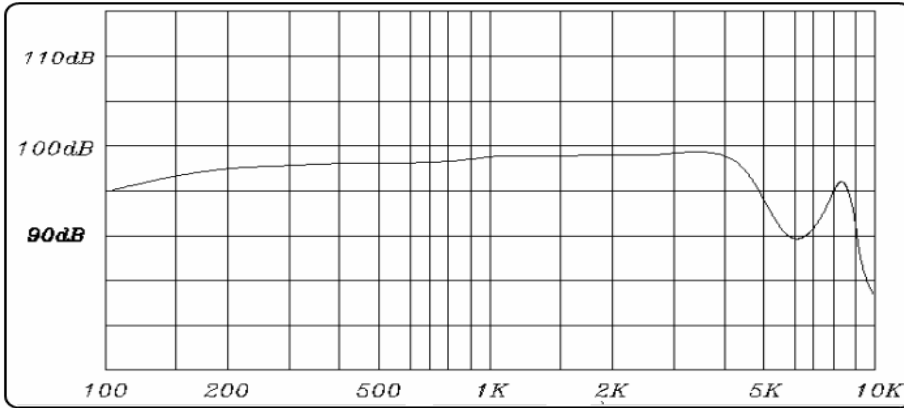
Tolerance: ± 0.5 mm except specified

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All specifications subject to change without notice

3. FREQUENCY RESPONSE CURVE



4. RELIABILITY TEST

Testing Criteria

After conducting any tests below, the Sound Pressure Level at 1 KHz shall not deviate more than 3 dB from the initial value.

1) Load Test

Input power:10mW,white noise 96 hours

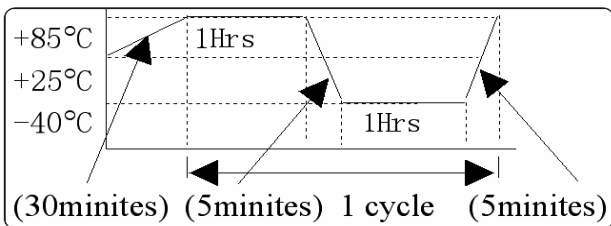
2) Temperature Test

- a) Exposure at $+70 \pm 3^\circ\text{C}$ for 96 hours then leave 3 hours in normal temperature.
- b) Exposure at $-40 \pm 3^\circ\text{C}$ for 96 hours then leave 3 hours in normal temperature.

3) Humidity Test

Exposure at $+40 \pm 3^\circ\text{C}$ and 90%-95% relative humidity for 96 hours and leave 3 hours in normal temperature.

4) Thermal Shock Test



Exposure to above temperature cycle for 5 times and room temperature for 2 hours.

5) Drop Test

Drop the receivers from a height of 1.5m for 6 times .

6) Vibration Test

Frequency: 10~55~10Hz Oct/min ,Amplitude: 1.5mm Duration: 2 hours in each 3 axes

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