

**SPECIFICATION****AK-2008AB-2C1**

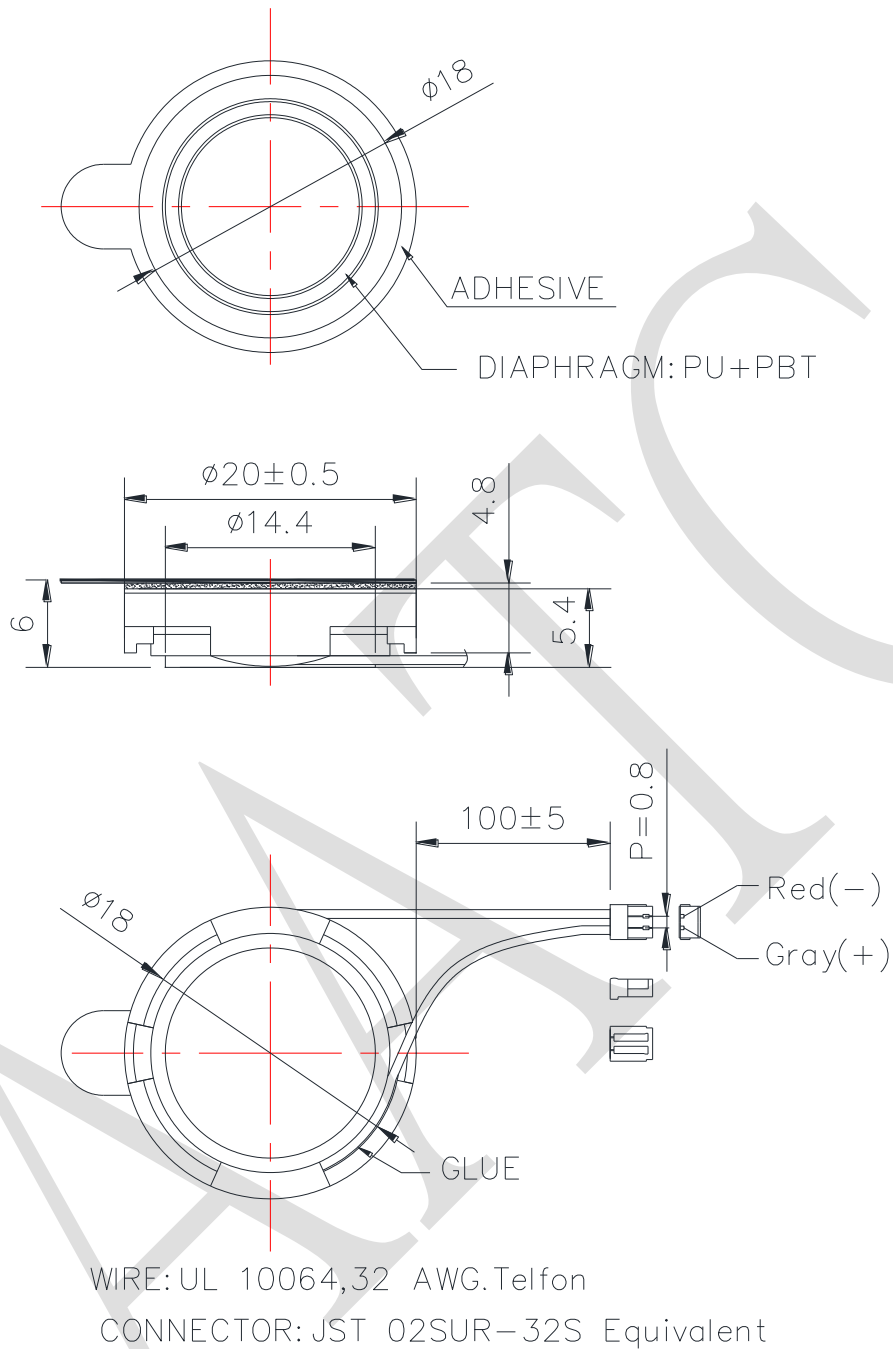
ITEM		SPECIFICATIONS	
01	Type	Dynamic speaker	
02	Dimension	External diameter 20 mm	
03	Rated Input Power	1.5 W	
04	Max. Input Power	2.0W for 1 minute	
05	Impedance	8Ω ± 15% at 2KHz 1V	
06	Resonance Frequency (Fo)	850 Hz ± 20% at Fo, 1V	
07	Sound pressure level	81dB(1.0W/0.5M) ± 3 dB	at AVE 0.8K,1.0K,1.25K,1.5K Hz
		93dB(1.0W/0.1M) ± 3 dB	
		95dB(1.5W/0.1M) ± 3 dB	
08	Frequency Range	Fo – 20 K Hz	
09	Total Harmonics Distortion	Max 10 % at 1 KHz, 3.46V.	
10	Voice Coil	Diameter 10.25 mm	
11	Magnet	Rare earth permanent (Nd-Fe-B ) magnet Φ9.5 x 2.5 mm	
12	Weight	3.4g ± 0.3g	
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 source1.5W	
15	Buzz, Rattle, etc.	Should not be audible at 3.46V 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℃ to +60℃	
		Storage temperature: -30℃ to +70℃	

REV NO.

REVISION NOTE

APPROVAL

DATE



RoHS

TITLE: DYNAMIC SPEAKER

DRAWN: Jery

2013/04/03

SCALE: 2:1

SHEET: 1:1

PART NO. AK-2008AB-2C1

2

DESIGNED: R&amp;D OF AAT

CHECKED:

APPROVAL:

REV

MATERIAL: PBT

UNITS: mm

TOLERANCE  $\pm 0.5$ 

UNLESS OTHERWISE SPECIFIED:

ONE PLACE DECIMAL  $\pm$  \*\*\*TWO PLACE DECIMAL  $\pm$  \*\*\*THREE PLACE DECIMAL  $\pm$  \*\*\*

ADVANCED ACOUSTIC TECHNOLOGY CORPORATION

For more information, please contact AATC.

AATC