

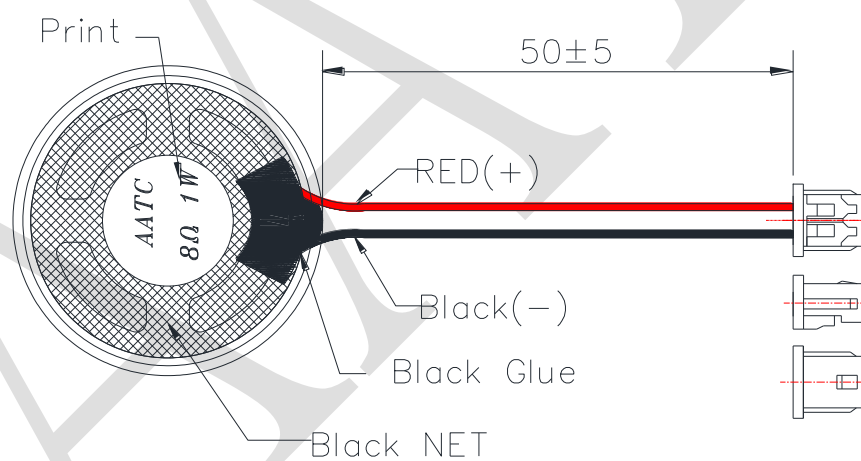
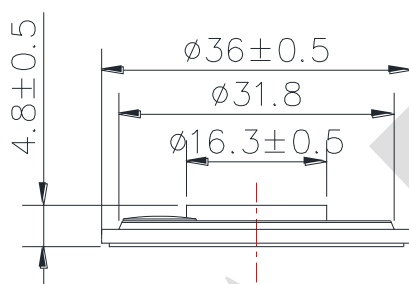
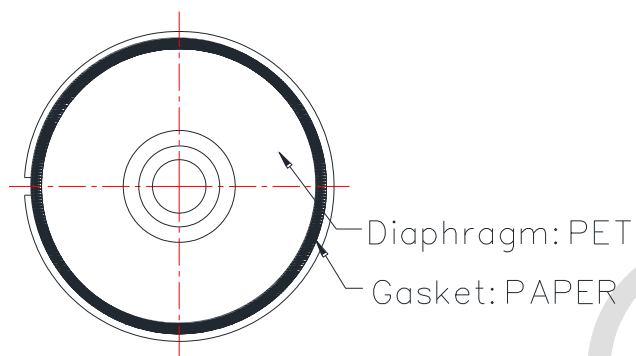
## 1. SPECIFICATION

AK-3608BB-6C1

| ITEM |                            | SPECIFICATIONS  |                            |
|------|----------------------------|---|----------------------------|
| 01   | Type                       | Dynamic speaker   |                            |
| 02   | Dimension                  | External diameter 36 mm   |                            |
| 03   | Rated Input Power          | 1.0 W   |                            |
| 04   | Max. Input Power           | 1.5 W for 1 minute  |                            |
| 05   | Impedance                  | 8Ω ± 15% at 2KHz 1V   |                            |
| 06   | Resonance Frequency (Fo)   | 530 Hz ± 20% at Fo, 1V  |                            |
| 07   | Sound pressure level       | 85 dB(W/M) ± 3 dB   | at AVE 0.8,1.0,1.2,1.6KHz. |
|      |                            | 104dB(1.0W/0.1M) ± 3 dB   |                            |
| 08   | Frequency Range            | Fo – 6 K Hz   |                            |
| 09   | Total Harmonics Distortion | Max 10 % at 1 KHz, 1.0W   |                            |
| 10   | Voice Coil                 | Diameter 13.5 mm  |                            |
| 11   | Magnet                     | Rare earth permanent (Nd-Fe-B ) magnet Φ12.X1.5mm   |                            |
| 12   | Weight                     | 9.5g ± 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 source 1.0W   |                            |
| 15   | Buzz, Rattle, etc.         | Should not be audible at 2.83V 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℃   |                            |

RoHS

| REV NO. | REVISION NOTE | APPROVAL | DATE |
|---------|---------------|----------|------|
|---------|---------------|----------|------|



WIRE: UL 1571.AWG30#  
CONNECTOR: Equivalent to MOLEX  
51021 Capable

RoHS

|                        |   |                      |            |                               |            |
|------------------------|---|----------------------|------------|-------------------------------|------------|
| TITLE: DYNAMIC SPEAKER |   | DRAWN: Moose         | 2017-02-06 | SCALE: 2:1                    | SHEET: 1:1 |
| PART NO. AK-3608BB-6C1 | 2 | DESIGNED: R&D OF AAT |            | UNITS: mm                     |            |
|                        |   | CHECKED:             |            | TOLERANCE $\pm 0.5$           |            |
| DWG NO.                |   | APPROVAL:            |            | UNLESS OTHERWISE SPECIFIED:   |            |
|                        |   | MATERIAL: SPCC       |            | ONE PLACE DECIMAL $\pm$ ***   |            |
|                        |   |                      |            | TWO PLACE DECIMAL $\pm$ ***   |            |
|                        |   |                      |            | THREE PLACE DECIMAL $\pm$ *** |            |



ADVANCED ACOUSTIC TECHNOLOGY CORPORATION