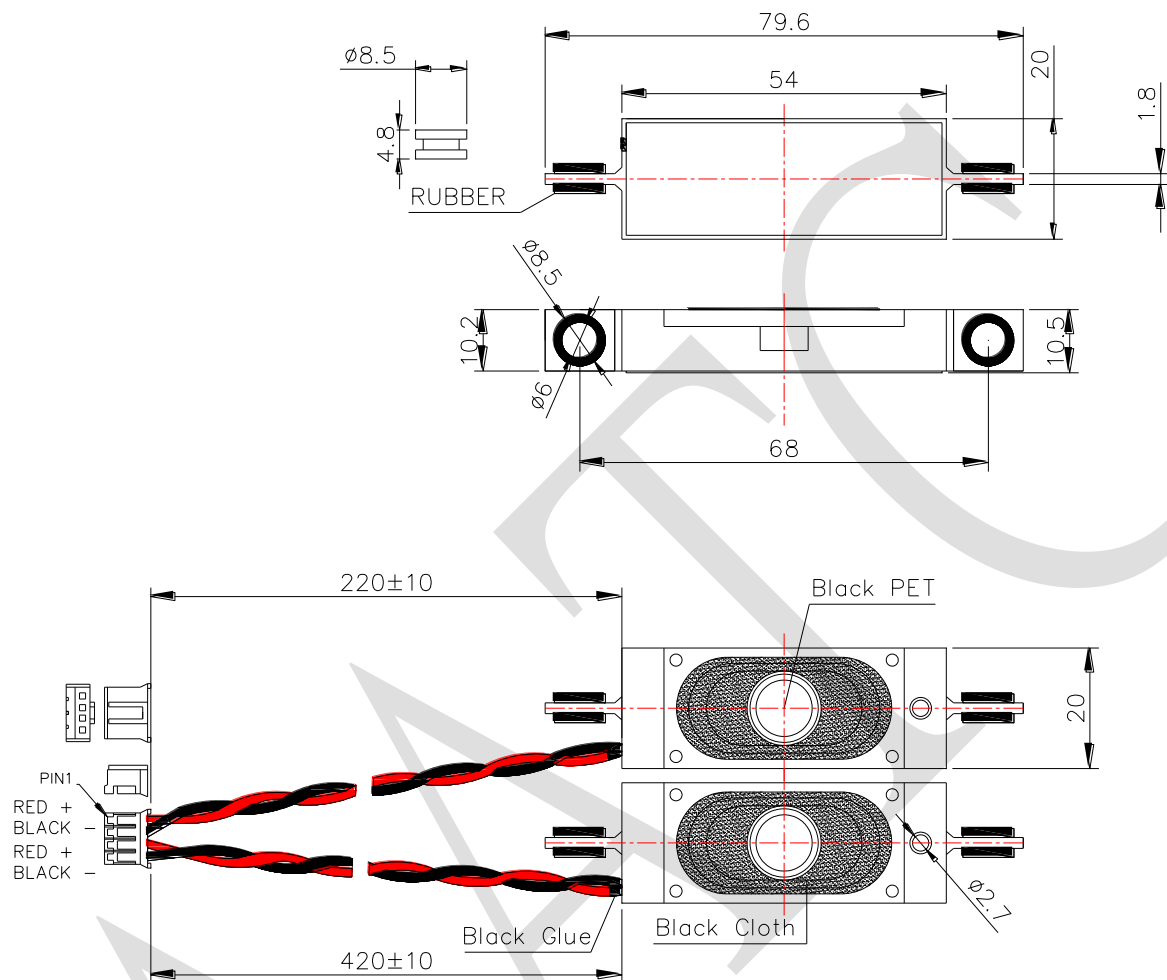


1. SPECIFICATION

AKB-542008CC-1C-LF

| ITEM | | SPECIFICATIONS | |
|------|----------------------------|---|--------------------------------|
| 01 | Type | Dynamic Speaker + Sound Box | |
| 02 | Dimension | External diameter 54 x 20 x 10 mm | |
| 03 | Rated Input Power | 1.0 W | |
| 04 | Max. Input Power | 2.0 W for 1 minute | |
| 05 | Impedance | 8 Ω ± 15% at 2 KHz 1V | |
| 06 | Resonance Frequency (Fo) | 900 Hz ± 20% at Fo, 1V | |
| 07 | Sound pressure level | 84 dB(0.1W/1.0M) ± 3 dB | at AVE 1.0, 1.5, 2.0, 2.5 KHz. |
| | | 93 dB(1.0W/0.1M) ± 3 dB | |
| 08 | Frequency Range | Fo – 20 K Hz | |
| 09 | Total Harmonics Distortion | Max 10 % at 1 KHz, 1.5V. | |
| 10 | Voice Coil | Diameter 11.75 mm | |
| 11 | Magnet | Rare earth permanent (NdFeB) magnet Φ 11 x 2t mm | |
| 12 | Weight | 27g ± 2g | |
| 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℃ | |

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



WIRE : UL 1007 , 26 AWG .

CONNECTOR : Equivalent to JST-PHR-4

RoHS

| | | | | | |
|------------------------------------|-----|------------------------|------------|-----------------------------|--------------|
| TITLE: DYNAMIC SPEAKER + SOUND BOX | | DRAWN: Zack | 2015/01/13 | SCALE: 1:1 | SHEET: 1 : 1 |
| PART NO. AK-542008CC-1C-LF | 2 | DESIGNED: R & D OF AAT | | UNITS: mm | |
| DWG NO. HS-100608 | | CHECKED: | | TOLERANCE ± 0.5 | |
| | | APPROVAL: | | UNLESS OTHERWISE SPECIFIED: | |
| | REV | MATERIAL: ABS | | ONE PLACE DECIMAL ± *** | |
| | | | | TWO PLACE DECIMAL ± *** | |
| | | | | THREE PLACE DECIMAL ± *** | |



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