

1. SPECIFICATION

AKV-30200410-PM-1C1

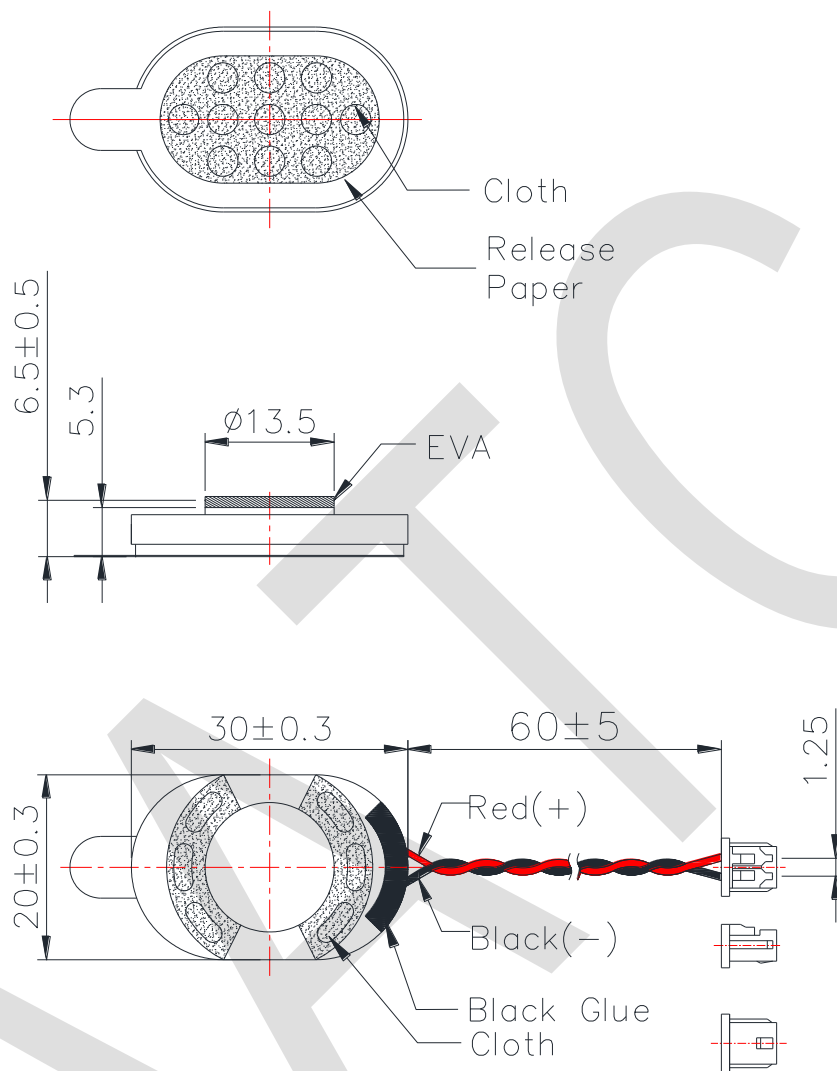
ITEM		SPECIFICATIONS	
01	Type	Dynamic speaker	
02	Dimension	External diameter 30 x 20 mm	
03	Rated Input Power	1.0 W	
04	Max. Input Power	1.2 W for 1 minute	
05	Impedance	$4\Omega \pm 15\%$ at 1KHz 1V	
06	Resonance Frequency (Fo)	750 Hz $\pm 20\%$ at Fo, 1V	
07	Sound pressure level	95 dB(1.0 W/0.1 m) ± 3 dB	at AVG 1.0, 1.2, 1.5, 2.0 KHz.
08	Frequency Range	Fo – 5 K Hz	
09	Total Harmonics Distortion	Max 10 % at 1 KHz, 1.5V.	
10	Magnet	Rare earth permanent (NdFeB) magnet $\Phi 9.5 \times 1.4$ mm	
11	Weight	$3.4g \pm 1g$	
12	Appearance	Should not exist any obstacle to be harmful to normal operation; damages, cracks, rusts and distortions, etc.	
13	Operation Test	Must be normal at program source 1.0W	
14	Buzz, Rattle, etc.	Should not be audible at 2.0 V sine wave between Fo to 2KHz	
15	Polarity	When positive voltage is applied to the terminal marked (+), diaphragm should move to the front.	
16	Terminal Strength	Capable of withstand 1kg load for 15 seconds without resulting in any damage or rejection.	
17	Temperature	Operating temperature: -20°C to $+60^{\circ}\text{C}$ Storage temperature: -30°C to $+70^{\circ}\text{C}$	

REV NO.

REVISION NOTE

APPROVAL

DATE



Wire: UL1571 AWG30#

Connector: Equivalent to Molex 51021-0200

RoHS

TITLE: DYNAMIC SPEAKER

DRAWN: Hank

2023/02/15

SCALE: 1:1 SHEET: 1 : 1

PART NO.
AKV-30200410-PM-1C1

1

DESIGNED: R & D OF AAT

UNITS: mm

CHECKED:

TOLERANCE ± 0.5

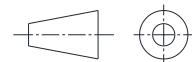
APPROVAL:

FIRST ANGLE PROJECTION

DWG NO. ****_*****

REV

MATERIAL: ABS



ADVANCED ACOUSTIC TECHNOLOGY CORPORATION