

1. SPECIFICATION

AK-4008BB-7W1

ITEM		SPECIFICATIONS	
01	Type	Dynamic speaker	
02	Dimension	External diameter 40 mm	
03	Rated Input Power	0.5 W	
04	Max. Input Power	0.8 W for 1 minute	
05	Impedance	8Ω± 15% at 1 KHz 1V	
06	Resonance Frequency (Fo)	600 Hz ± 20% at Fo, 1V	
07	Sound pressure level	92 dB(0.1W/0.1M) ± 3 dB	at AVE 0.8, 1.0, 1.2, 1.5 KHz.
		98 dB(0.5W/0.1M) ± 3 dB	
08	Frequency Range	Fo – 6 K Hz	
09	Total Harmonics Distortion	Max 10 % at 1 KHz, 1.5V.	
10	Voice Coil	Diameter 10.5 mm	
11	Magnet	Rare earth permanent (NdFeB) magnet Φ12.5x1.5 mm	
12	Weight	9.4g ± 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 0.5W	
15	Buzz, Rattle, etc.	Should not be audible at 2.0V 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

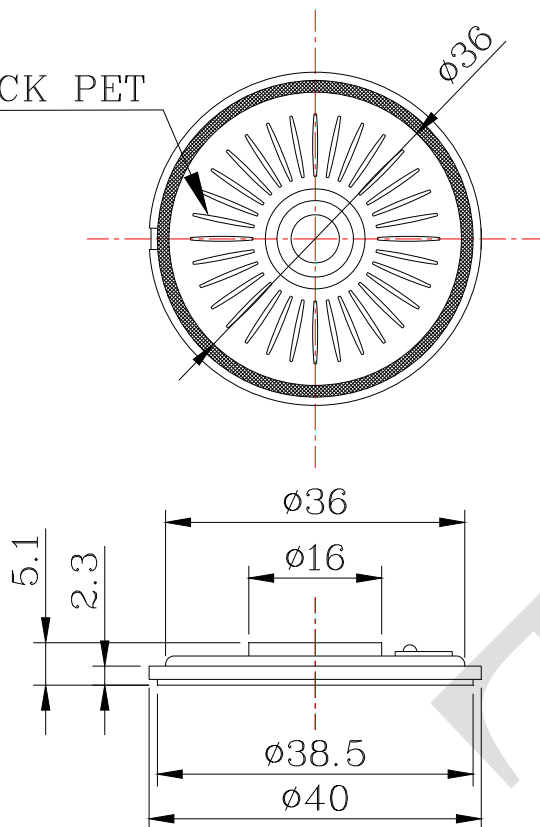
REV NO.

REVISION NOTE

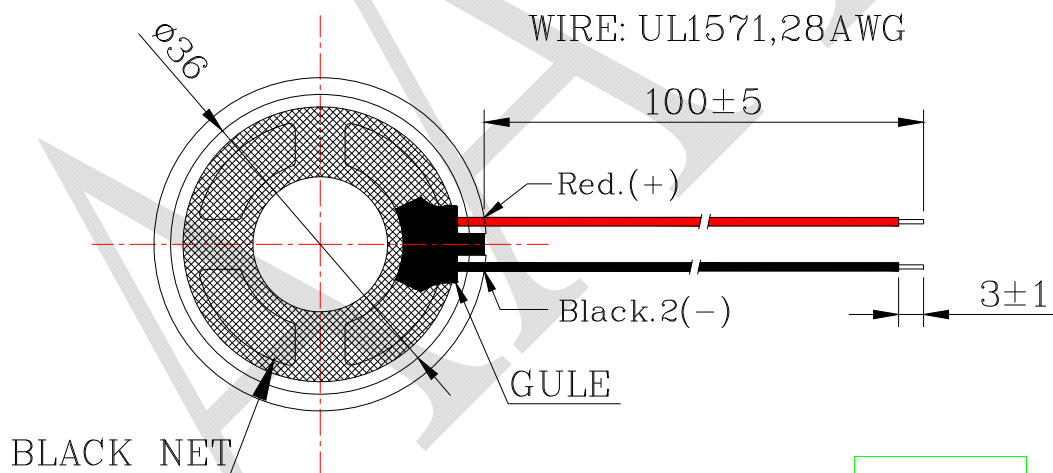
APPROVAL

DATE

BLACK PET



WIRE: UL1571,28AWG



RoHS

TITLE: DYNAMIC SPEAKER

DRAWN: Zack 2012/8/21

SCALE: 1:1 SHEET: 1 of 1

PART NO. AK-4008BB-7W1

DESIGNED: R&D OF AAT

UNITS: mm

DWG NO. UGS4008-01W100

2
REV

CHECKED:

APPROVAL:

MATERIAL: SPCC

TOLERANCE ± 0.5

UNLESS OTHERWISE SPECIFIED:

ONE PLACE DECIMAL ± ***

TWO PLACE DECIMAL ± ***

THREE PLACE DECIMAL ± ***



ADVANCED ACOUSTIC TECHNOLOGY CORPORATION

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