

1. SPECIFICATION

AK-4004BF-2W1(RoHS)

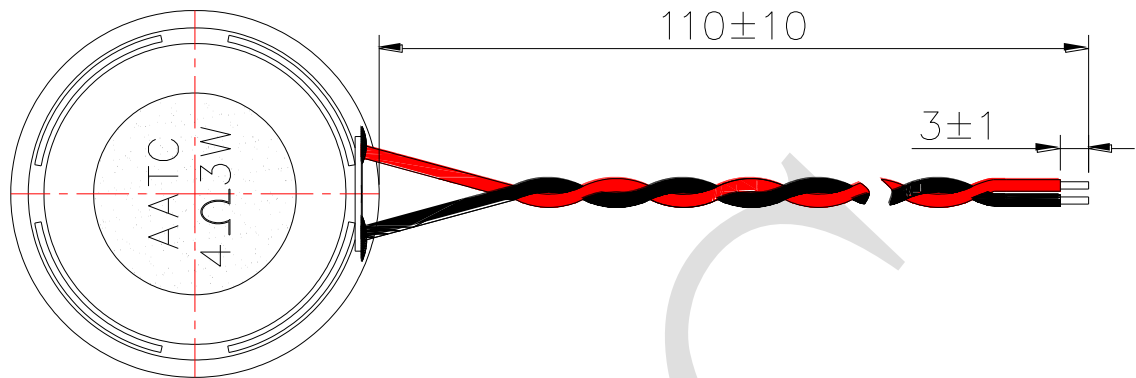
ITEM		SPECIFICATIONS	
01	Type	Dynamic speaker	
02	Dimension	External diameter40 mm	
03	Rated Input Power	3.0 W	
04	Max. Input Power	5.0W for 1 minute	
05	Impedance	4Ω ± 15% at 1.0KHz 1V	
06	Resonance Frequency (Fo)	250Hz ± 100 Hz at Fo, 1V	
07	Sensitivity (S.P.L.)	95 dB(1.0W/0.1M) ± 3 dB	at AVE 0.6, 0.8, 1.0, 1.2 KHz.
		101 dB(3.0W/0.1M) ± 3 dB	
08	Frequency Range	Fo – 20K Hz	
09	Total Harmonics Distortion	Max 10 % at 1 KHz, 1.5V.	
10	Voice Coil	Diameter 13.28 mm	
11	Magnet	Rare earth permanent (Nd-Fe-B) magnet Φ12.5x 2.0 mm	
12	Weight	7.6g ± 2.0g	
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 3.0W	
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.

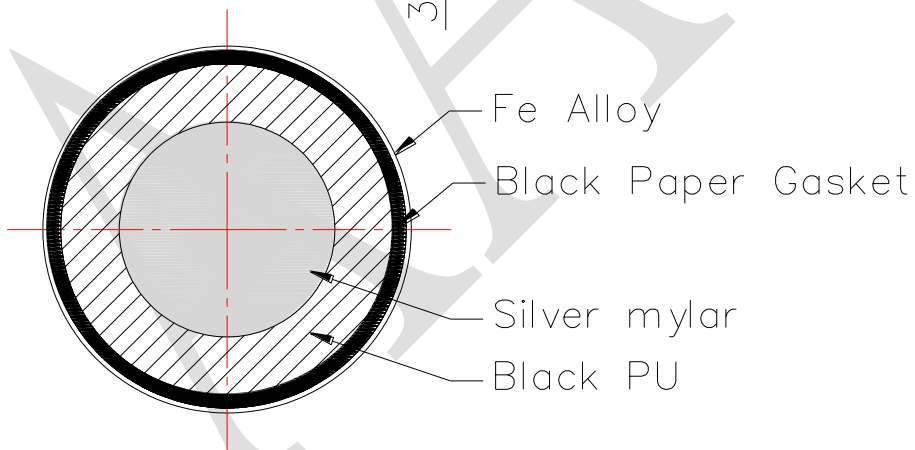
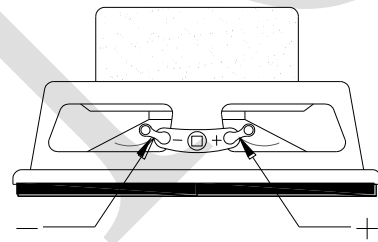
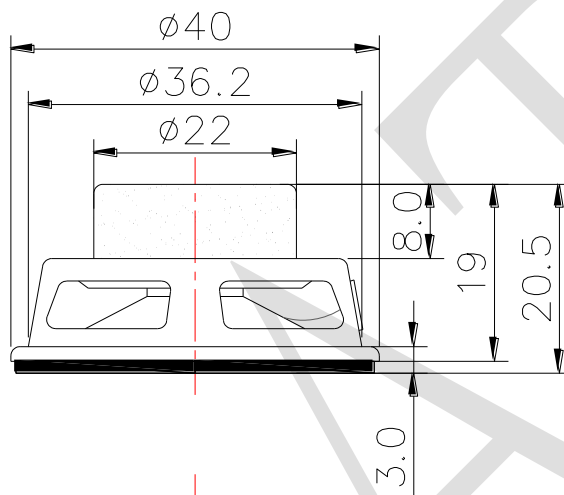
REVISION NOTE

APPROVAL

DATE



UL1571, 28AWG



RoHS

TITLE: DYNAMIC SPEAKER

DRAWN: Sara

2013-03-08

SCALE: 2:1

SHEET: 1:1

PART NO. AK-4004BF-2W1

DESIGNED: R&D OF AAT

UNITS: mm

DWG NO. SW-K13030801

CHECKED:

TOLERANCE ± 0.5

APPROVAL:

UNLESS OTHERWISE SPECIFIED:

REV

MATERIAL:

SPCC

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

ADVANCED ACOUSTIC TECHNOLOGY CORPORATION