

1. SPECIFICATION

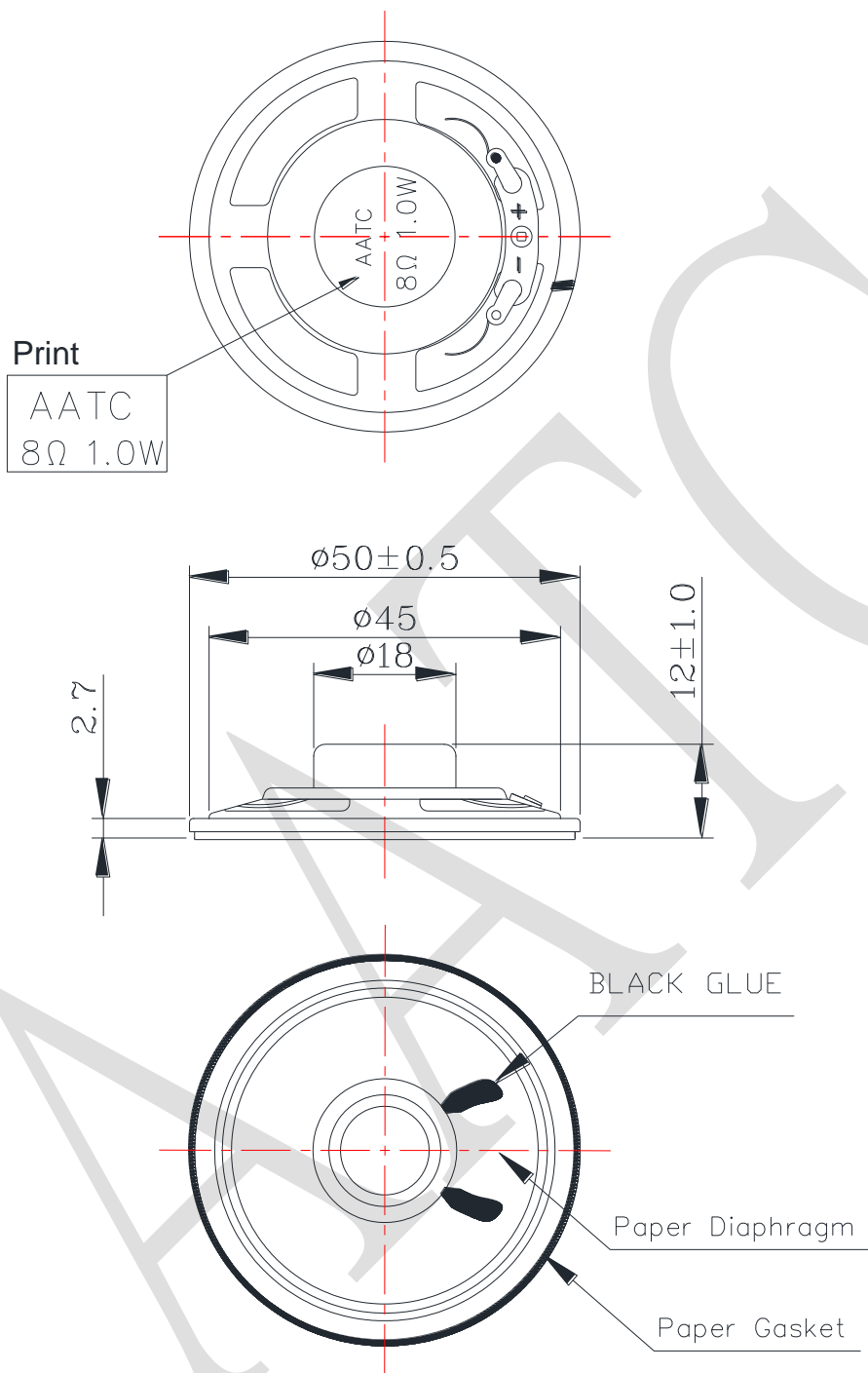
AK-500810-MP-2

ITEM		SPECIFICATIONS	
01	Type	Dynamic speaker	
02	Dimension	External diameter 50 mm	
03	Rated Input Power	1.0 W	
04	Max. Input Power	2.0 W for 1 minute	
05	Impedance	$8\Omega \pm 15\%$	
06	Resonance Frequency (Fo)	550 Hz \pm 20% at Fo, 1V	
07	Sound pressure level	100dB(1.0W/0.1M) \pm 3 dB	at AVE0.8, 1.0, 1.2, 1.5 KHz.
08	Frequency Range	Fo – 4.5 K Hz	
09	Total Harmonics Distortion	Max 10 % at 1 KHz,0.1W.	
10	Magnet	Rare earth permanent (NdFeB) magnet Φ 12 x 2.0 mm	
11	Weight	17g \pm 3g	
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 source1.0W	
14	Buzz, Rattle, etc.	Should not be audible at2.83V 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: -30°C to +70°C Storage temperature: -40°C to +80°C	

RoHS

3. DIMENSIONS

REV NO.	REVISION NOTE	APPROVAL	DATE
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*RoHS*

TITLE: DYNAMIC SPEAKER		DRAWN: Hank	2019/12/27	SCALE: 2:1	SHEET: 1:1
PART NO. AK-500810-MP-2		2	DESIGNED: R&D OF AAT	UNITS: mm	
DWG NO.			CHECKED:	TOLERANCE ± 0.5	
CXS50120-R08W1.0-2B1-N12P1			APPROVAL:	UNLESS OTHERWISE SPECIFIED: ONE PLACE DECIMAL \pm *** TWO PLACE DECIMAL \pm *** THREE PLACE DECIMAL \pm ***	
		REV	MATERIAL: SPCC		



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