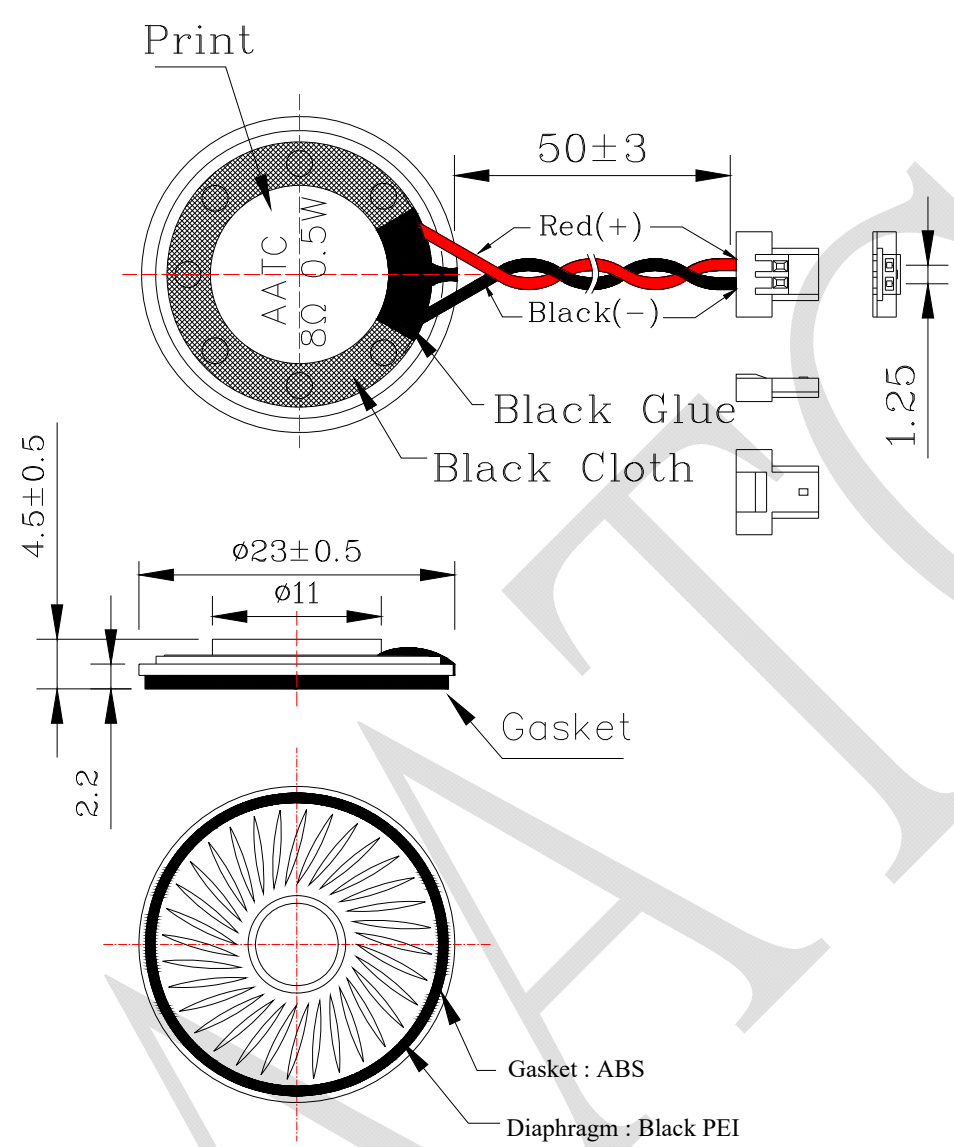


# 1. SPECIFICATION

AK-230805-MM-1C

ITEM		SPECIFICATIONS	
01	Type	Dynamic speaker	
02	Dimension	External diameter 23 mm	
03	Rated Input Power	0.5 W	
04	Max. Input Power	1.0 W for 1 minute	
05	Impedance	$8\Omega \pm 15\%$ at 2KHz 1V	
06	Resonance Frequency (Fo)	600Hz $\pm$ 20% at Fo, 1V	
07	Sound pressure level	93dB(0.5W/0.1M) $\pm$ 3 dB	at AVE 0.8, 1.0, 1.2, 1.5 KHz.
08	Frequency Range	Fo – 10 K Hz	
09	Total Harmonics Distortion	Max 10 % at 1 KHz, 0.1W	
10	Magnet	Rare earth permanent (NdFeB ) magnet $\Phi$ 9.5 x 1.5mm	
11	Weight	4.0g $\pm$ 1.2g	
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 0.5 W	
14	Buzz, Rattle, etc.	Should not be audible at 2.0 V sine wave between Fo to 20KHz	
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: -40°C to +85°C Storage temperature: -40°C to +85°C	

REV NO.	REVISION NOTE	APPROVAL	DATE
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WIRE: UL3302,AWG30#  
CONNECTOR: Equivalent to H203K-D02N-02B

RoHS

TITLE: DYNAMIC SPEAKER		DRAWN: <i>Jack</i> 2016/01/06	SCALE: 2:1	SHEET: 1:1
PART NO. AK-230805-MM-1C		DESIGNED: R&D OF AAT	UNITS: mm	
DWG NO. CXS23045LP50-R08W0.5-E1	1 REV	CHECKED:	TOLERANCE ± 0.5	
		APPROVAL:	UNLESS OTHERWISE SPECIFIED:	
		MATERIAL: SPCC	ONE PLACE DECIMAL ± ***	
			TWO PLACE DECIMAL ± ***	
			THREE PLACE DECIMAL ± ***	



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