

FEATURE :

- ◆ Thin as 15 mm and low-footprint, suitable for portable devices.
- ◆ Compatible with SMT and reflow soldering.
- ◆ Multiple front sound holes and pumping out 87dB SPL at a distance of 10 cm.

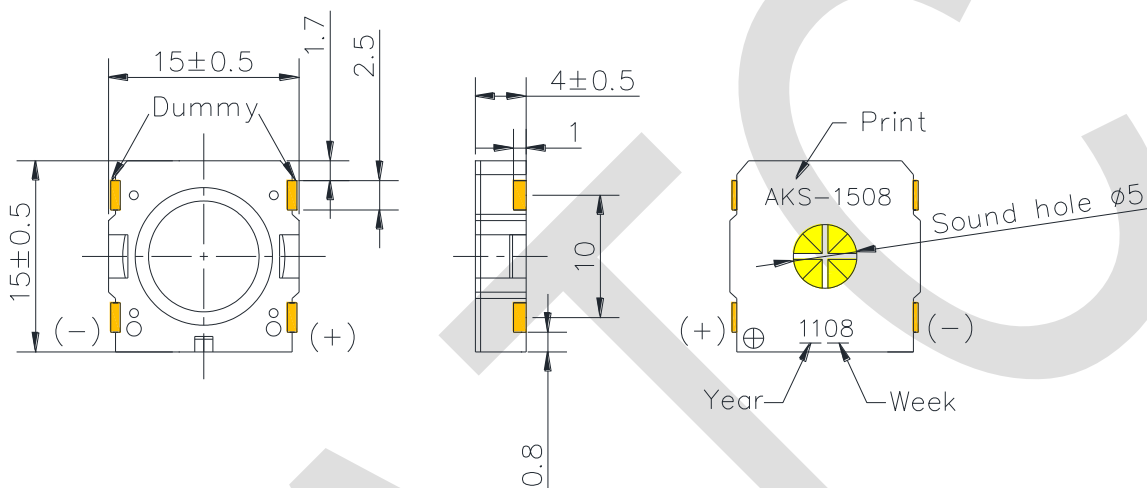
1. SPECIFICATION

AKS-1508

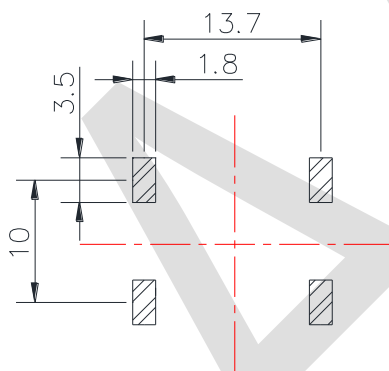
ITEM		SPECIFICATIONS	
01	Type	Dynamic speaker	
02	Dimension	External diameter 15 mm	
03	Rated Input Power	0.5 W	
04	Max. Input Power	0.8 W for 1 minute	
05	Impedance	8Ω ± 15% at 2 KHz 1V	
06	Resonance Frequency (Fo)	850 Hz ± 20% at Fo, 1V	
07	Sound pressure level	82 dB(0.1W/0.1M) ± 3 dB	at AVG 1.0, 1.2 , 1.5, 2.0 KHz.
		87 dB(0.5W/0.1M) ± 3 dB	
08	Frequency Range	Fo – 20 K Hz	
09	Total Harmonics Distortion	Max 10 % at 1 KHz, 0.5 W.	
10	Magnet	Rare earth permanent (SMCO) magnet Φ 6.7 x 1.1 mm	
11	Weight	1.5 g ± 0.5 g	
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 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℃ to +85℃	
		Storage temperature: -40℃ to +85℃	


3. DIMENSIONS

<i>REV NO.</i>	<i>REVISION NOTE</i>	<i>APPROVAL</i>	<i>DATE</i>
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Recommended P.C.B Layout

 $R o H S$

TITLE: DYNAMIC SPEAKER (SMD)		DRAWN: Zack 2024/12/13		SCALE: 2:1	SHEET: 1:1
PART NO. AKS-1508	4	DESIGNED: R&D OF AAT		UNITS: mm	
		CHECKED:		TOLERANCE ± 0.5	
DWG NO.		APPROVAL:		FIRST ANGLE PROJECTION	
	REV	MATERIAL: LCP			



ADVANCED ACOUSTIC TECHNOLOGY CORPORATION