

MULTILAYER PIEZO CERAMIC SPEAKER SPECIFICATIONS



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承 认 书

SPECIFICATION FOR APPROVAL

客户 CUSTOMER			
客户料号 CUST P /N			
名称 NAME		型 号 MODEL	
版本 Ver.		日期 DATE	

客户签认 CUSTOMER APPROVAL	承认 APPD.	承认章 COMPANY CHOP

出图 DRAWING	制作 DWN.	审核 CHK.	核准 APPD.

注: 承认书一式两份, 请返回一份 PLEASE SENT ONE OF THE SAME TWO BACK

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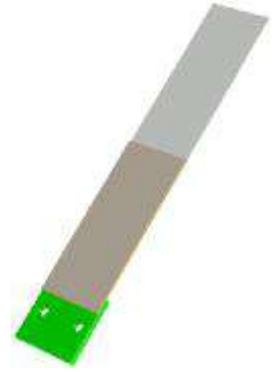
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■ 1. Product Name and Part No.: HQ0031-000 AW5Y60HJ001L355Z

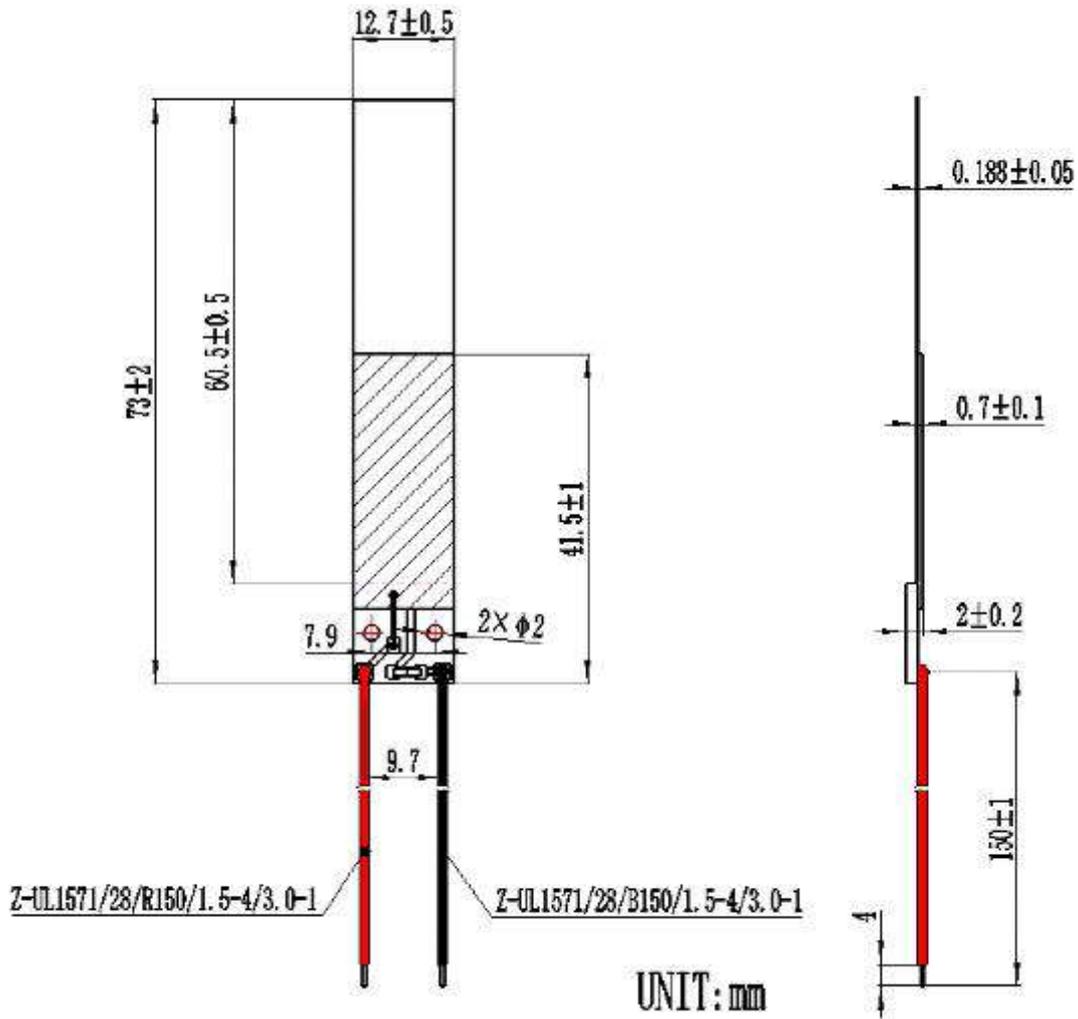
Main Characteristics:

low energy consumption ($P \leq 0.1W$);
simple structure which can be installed in a small room;
no noise released.

No electromagnetic interference to other electric products, and have strong ability of anti-electromagnetic interference.



■ 2. Appearance and Dimensions:



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■ 3. Electrical Specifications

No.	Items	Unit	Specifications	Test Conditions
1	Amplitude	mm	20±3	At 110V/60Hz
2	Static Electric Capacity (C)	nF	15±30%	Digital electric bridge (120Hz/1V/25°C, without impedance)
3	Operating Frequency	Hz	60±2	-----
4	Operating Voltage (AC)	V	110±10	-----
5	The Max. Operating Voltage (AC)	V	150	-----
6	Operating Temp.	°C	-20 ~ +80	-----
7	Storage Temp.	°C	-30 ~ +85	-----

Notes: All the components meet the requirements of RoHS, in which pb enjoys the exemption.

■ 4. Mechanical, Environment and Life Characteristics:

No.	Items	Requirements	Test Standard
1	Shock Test	Room Temp. Sweep Fre.. 10—55Hz Amplitude 1.5mm/XYZ axis/2Hrs	Initial average amplitude changes ±2mm.
2	Drop Test	Fixed in a 150g Jig, testing 6 surfaces by dropping for 3 times per surface at the height of 150cm.	
3	Anti-corrosion Test	Based on normal standard: Liquid concentration : 5ml±0.1%, Temp.:+35°C±2°C, Time:36Hrs	The Amplitude changes ±2mm after 2 hrs in room temp.
4	Storage under High Temp.	85±2°C/96Hours , then 4Hrs under room temp.	Initial average amplitude changes ±2mm.
5	Storage under Low Temp.	-40±2°C /96Hrs , then 4Hrs under room temp.	

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6	Storage under High Temp. & Humid	+60±2°C /RH90—95%/96Hrs , then 4Hrs under room temp.	
7	High Temp. & Humid with Power on.	+60±2°C /RH90—95%/96Hrs/110VAC/50Hz , then 4Hrs under room temp.	
8	Thermal Shock	-30°C /30mins , then +85°C /30mins within 2—3mins, repeat for 20 times and then put in room temp. For 4Hrs.	
9	Max. Voltage	Input 150VAC/50Hz/0.5 under room temp., the voltage be set as the max. in specs., then 4Hrs under room temp.	
10	Life Test	Input 110VAC/50Hz and work for 240Hrs consistently, then 4Hrs under room temp.	

■ 5. Suggestions and notes for installation:

5.1 Avoid the looseness and resonance when installing. For example, the fan itself or the components around are not tight enough;

5.2 Make sure the distance between fan sleeves and other components is at least 2mm so as not to touch the sleeves when installing other parts and to keep the max. Amplitude;

5.3 Don't press the vibrate parts of the fan strongly on the vertical direction when installing.