
SPECIFICATION FOR APPROVAL

Product	PIEZO BUZZER
Part No.	AZ-2326E-P
Customer Approval	

Approved By	Checked By	Made By



A & B Components

<http://www.speaker-tw.com>

1. Specifications

AZ-2326E-P

Items		Units	Specifications	Conditions
01	Rated Voltage	Vp-p	12	(square wave)
02	Operating Voltage	Vp-p	6 ~ 24	
03	Rated Current	mA(Max)	9	
04	Sound Output At 10cm	dBA(Min)	90	At 12Vp-p ,2.6KHz / 10cm
05	Resonant Frequency	Hz	2600	
06	Capacitance	pF	20000 ±30%	At 120Hz
07	Operating Temp.	°C	-30 ~ +75	
08	Storage Temp.	°C	-40 ~ +85	
09	Weight	g	3	

2. Measuring Method

2-1. Test Condition

STANDARD

Temperature : 15 ~ 35°C

Relative humidity : 25% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

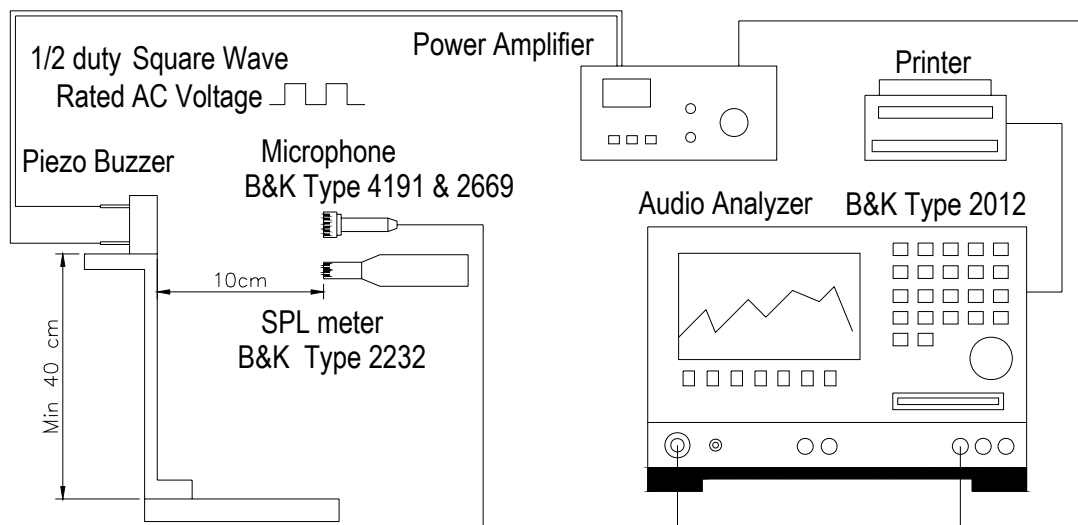
JUDGEMENT

Temperature : 20±3°C

Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

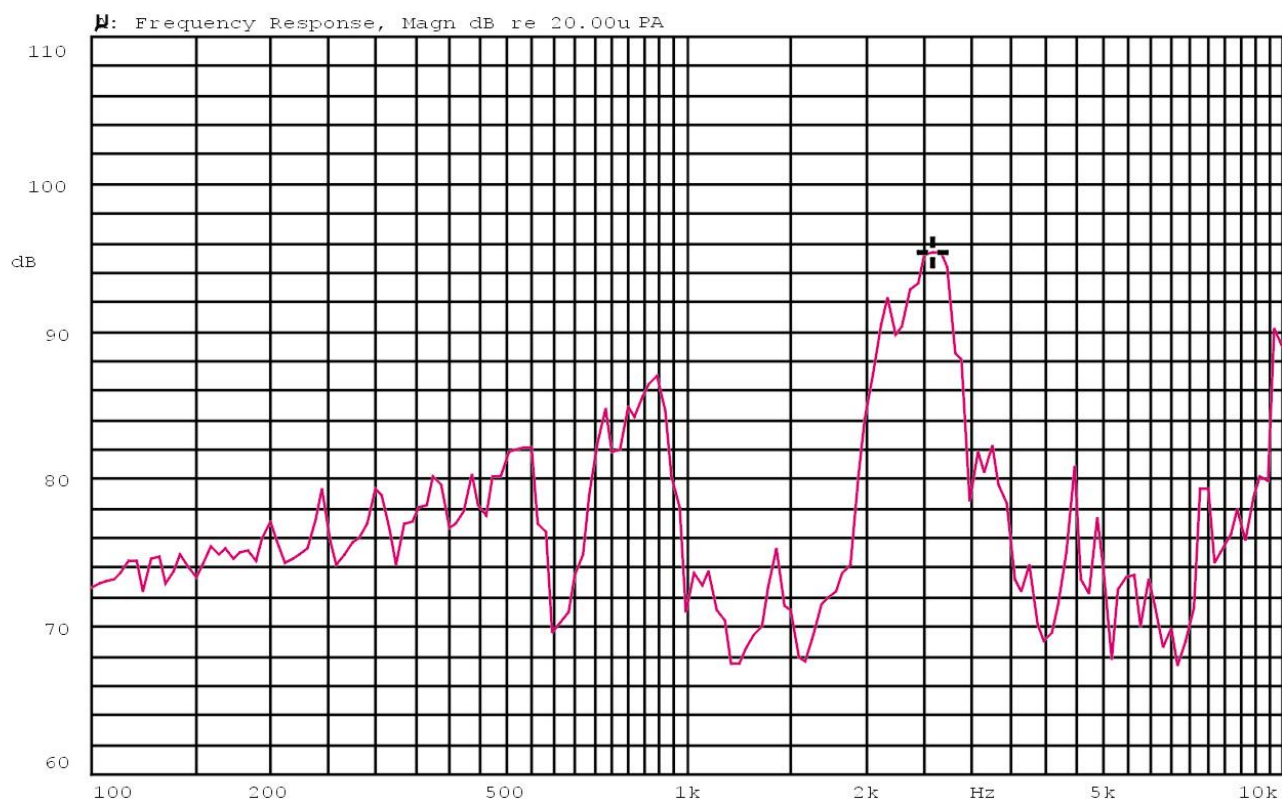
2-2. Standard Test Fixture



2-3. Frequency Response Curve

AZ-2326E-P

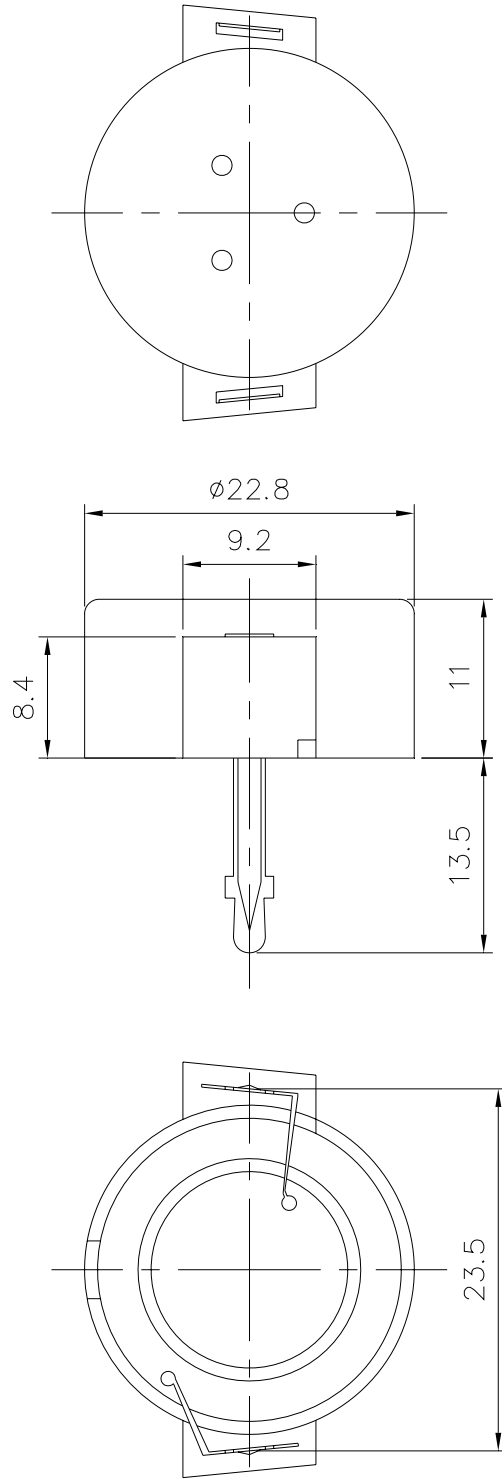
X:2.5852kHz Y:95.42dB ZA:Live Curve SSR T. RMS



Mode: SSR



REV NO.	REVISION NOTE	APPROVAL	DATE
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TITLE: <i>PIEZO BUZZER EXTERNAL</i>		DRAWN: <i>Richard</i> 2005/11/01	SCALE: 2:1	SHEET: 1 : 1
PART NO. <i>AZ-2326E-P</i>		DESIGNED: <i>R & D DEP.</i>	UNITS: <i>mm</i>	TOLERANCE ± 0.3
DWG NO. <i>DTP-1053</i>	1 REV	CHECKED:	UNLESS OTHERWISE SPECIFIED:	
		APPROVAL:	ONE PLACE DECIMAL \pm ***	
		MATERIAL: <i>ABS</i>	TWO PLACE DECIMAL \pm ***	
			THREE PLACE DECIMAL \pm ***	

A & B Components

4. Reliability Test

Item		Conditions	Evaluation standard
01	Low Temp. Storage Test	-40°C ±2°C ,240Hr	After the test the part shall meet specifications without Any degradation and performance except S.P.L S.P.L shall be 83dB or more.
02	High Temp.Storage Test	85°C ±2°C ,240Hr	
03	Temp./Humidity Storage Test	40°C ±2°C ,RH90-95%,240Hr	
04	Thermal Shock Test	-40°C ±2°C (0.5Hr)→ ,20°C ±2°C (0.25Hr) 85°C ±2°C (0.5Hr)→ ,20°C ±2°C (0.5Hr) 5 cycles	
05	Vibration Test	10-55Hz/2 Hr amplitude1.5mm X,Y, Z,3 directions	
06	Mechanical Shock Test	+100G,Half Sine wave, XYZ , 3 impacts per axis ,3 times.	
07	Free Drop Test	The part shall be dropped freely from a height of 75 cm X,Y, Z,3 directions 3times (total 9 times)	
08	Life Burning Test	The part shall be subjected to 500 hrs in the room temp with rated voltage applied	
09	Lead Strength Test	Pull Lead with a force of 10N,on the direction of the lead axis for 10±1 sec.	