

MESSRS.

SPECIFICATION FOR APPROVAL

承 認 書

Product	PIEZO BUZZER
Part No.	AZ-2425E-P
Customer Approval	

Approved By	Checked By	Made By
		工程部 許俊程 FEB-24



ADVANCED ACOUSTIC TECHNOLOGY CORP.

苙 翔 科 技 股 份 有 限 公 司



ISO 9001 Certified

2F, No.207, Sec. 6, Chung Shan N. Rd., Taipei, Taiwan, R.O.C.

Tel: +886-2-88665255

Fax: +886-2-88665250

E-mail: aat_mail@seed.net.tw

AZ-2425E-P

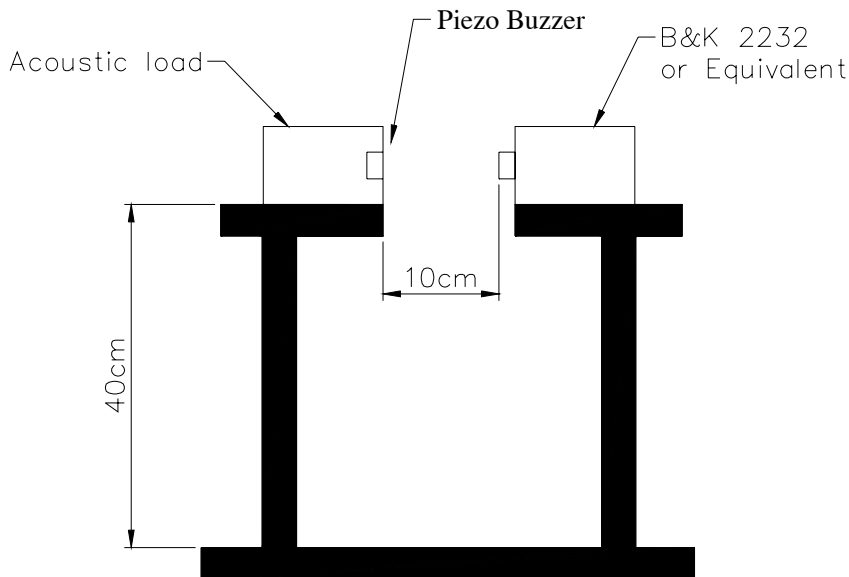
Items		Units	Specifications	Conditions
01	Rated Voltage	Vp-p	12	Square Wave
02	Operating Voltage	Vp-p	2-30	
03	Rated Current	mA(Max)	10	12Vp-p / 2.5KHz
04	Sound Output At 10cm	dBA(Min)	90	At 12Vp-p / 2.5KHz
05	Resonant Frequency	Hz	2500	
06	Capacitance at 120Hz	nF	70±30%	
07	Operating Temp.	°C	-20 ~ +60	
08	Storage Temp.	°C	-30 ~ +80	
09	Weight	g	5	

Measurement Condition

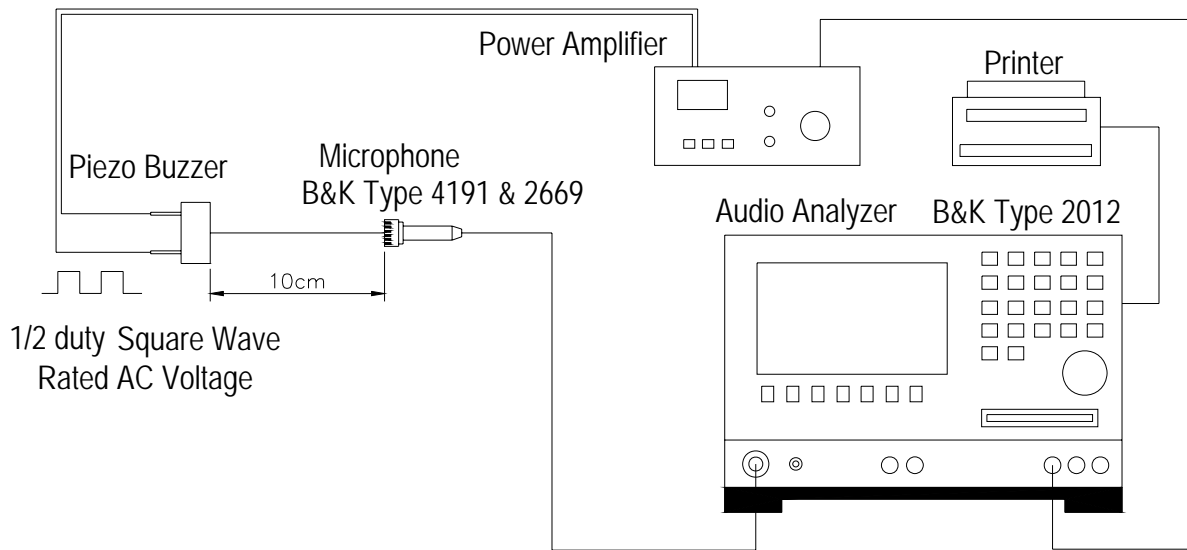
Test and measurement will be carried out under normal condition of temperature within 5°C to 35°C, relative humidity within 45% to 85% and air pressure of 860mbar to 1060mbar. Should uncertainly arise in data obtained from the above atmosphere, control of temperature At 20°C±2°C and relative humidity within 60% and 70%, with air pressure remaining unchanged, To be enforced.

Value Applying Rated Voltage

STANDARD TEST FIXTURE



Standard test condition of piezo buzzer



Frequency Response Curve

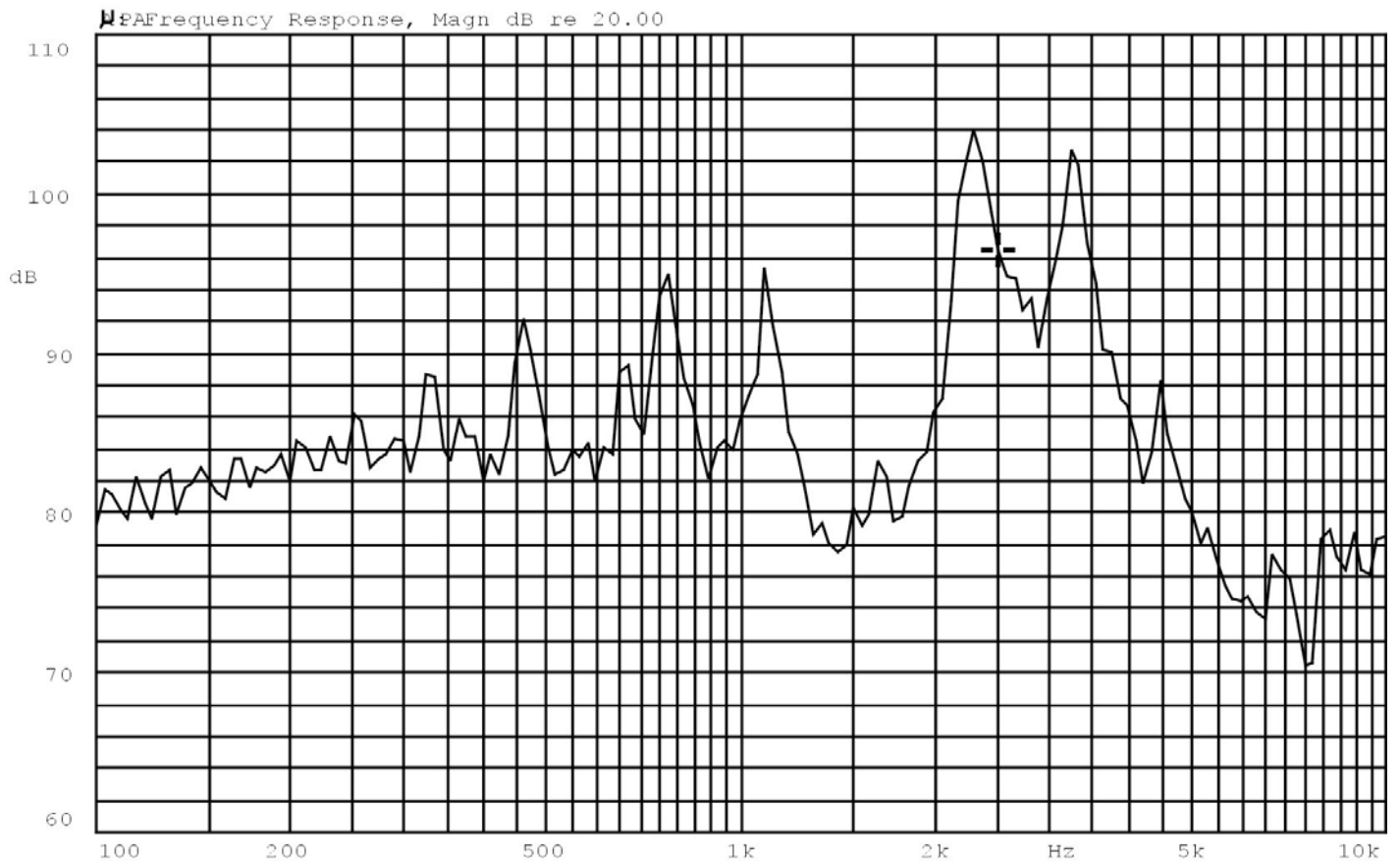
AZ-2425E-P

X:2.5119kHz

Y:96.45dB

ZA:Live Curve

SSR T. RMS

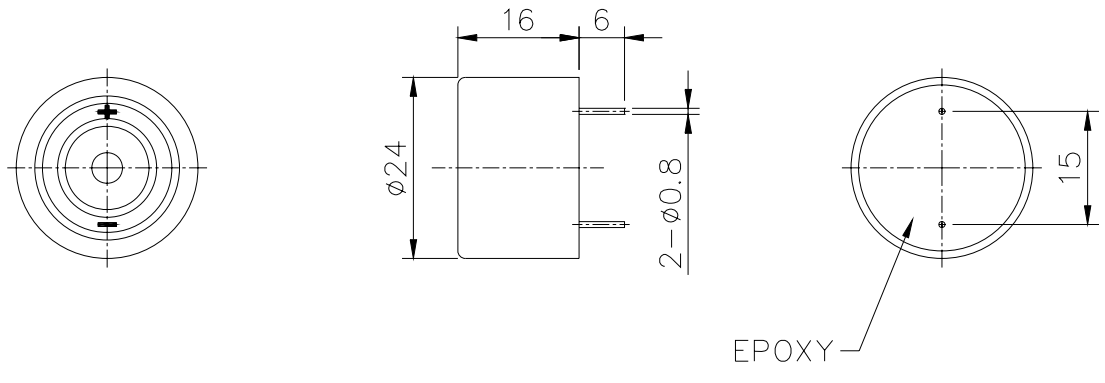


REV NO.

REVISION NOTE

APPROVAL

DATE



TITLE:	PIEZO BUZZER		DRAWN:	JOSH	02/24/2003	SCALE:	1:1	SHEET:	1 of 1
PART NO.	AZ-2425E-P		DESIGNED:	AATC R&D		UNITS:	mm		
DWG NO.	DPT-1204		CHECKED:			TOLERANCE ± 0.5			
			APPROVAL:			UNLESS OTHERWISE SPECIFIED:			
			MATERIAL:	ABS777		ONE PLACE DECIMAL \pm ***			
						TWO PLACE DECIMAL \pm ***			
						THREE PLACE DECIMAL \pm ***			



苙翔科技股份有限公司
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RELIABILITY TEST

AZ-2425E-P

Item	Conditions	Evaluation standard
01 Low Temp. Storage Test	A°C±2°C ,240Hr	(S.P.L)Test before numerical ±10dB (Frequency)Test before numerical ±10% (Current)Test before numerical ±10% (No crake is allowed on the part surface after Free drop test) ● After the test ,the part shall meet the specifications without any degradation in appearance and performance
02 High Temp. Storage Test	B°C±2°C RH50% ,240Hr	
03 Temp./Humidity Storage Test	40°C±2°C , RH90-95% 240Hr	
04 Thermal Shock Test	A°C±2°C (1Hr)→ ,20°C±2°C (1Hr) B°C±2°C (1Hr)→ ,20°C±2°C (1Hr)10 cycle	
05 Vibration Test	10-55Hz/1min amplitude1.5mm,X,Y,Z,3 directions	
06 Mechanical Shock Test	+100G,Sine wave, XYZ , 3 impacts per axis	
07 Free Drop Test	The part shall be dropped freely from a height of 75 cm onto concrete 1 time in 2 axes (total 4 times)	
08 Life Burning Test	The part shall be subjected to 1000 hrs in the room temp with rated voltage applied	
09 Lead Wire / Pin Pull Test	The Part checking standard : Following supplier's Spec. Finished-part checking Standard vertical Pull i)100g MIN 0.05mm Thickness of ceramic ii)300g MIN 0.1mm ≤ Thickness of ceramic b: Horizontal Pull i)700g MIN	

Remark : "A" means Storage low temp. "B" means Storage high temp