

# *MESSRS.*

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## SPECIFICATION FOR APPROVAL

## 承 認 書

Product	PIEZO BUZZER
Part No.	AZ-2460E-P
Customer Approval	

Approved By	Checked By	Made By
工程部 王台平 MAY-12-2006	工程部 劉民祥 MAY-12-2006	工程部 許俊程 MAY-12-2006



**ADVANCED ACOUSTIC TECHNOLOGY CORP.**

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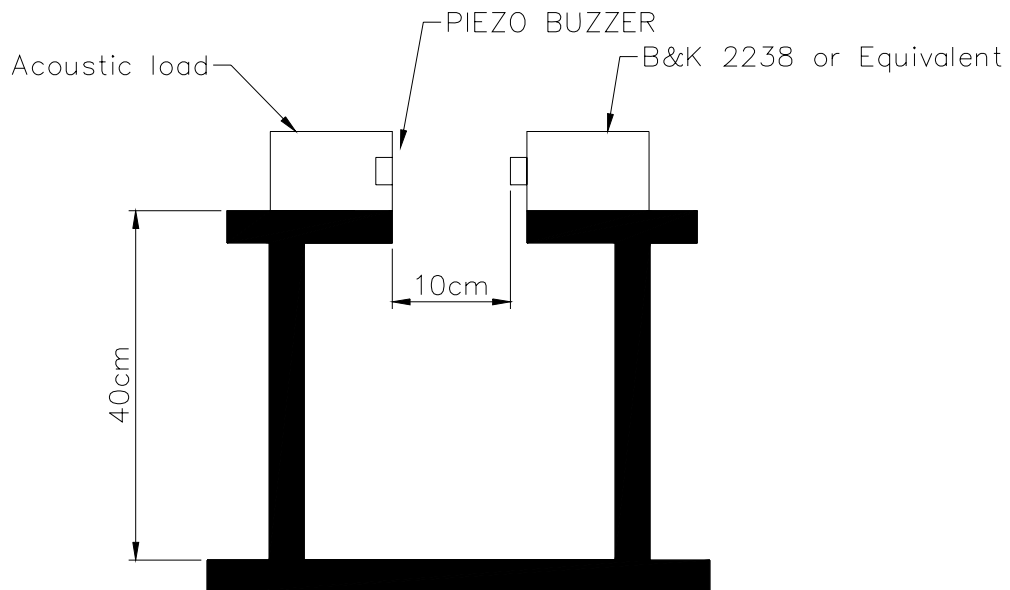
<http://www.aatc.com.tw>

# AZ-2460E-P

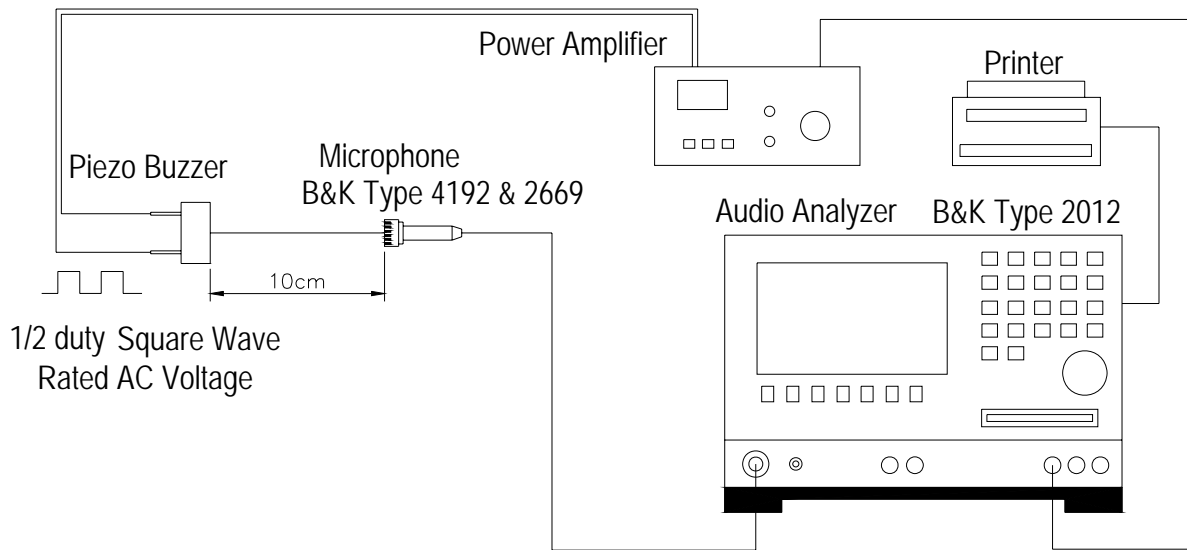
Items		Units	Specifications	Conditions
01	Rated Voltage	Vp-p	10	Square Wave
02	Operating Voltage	Vp-p	1 ~ 30	
03	Rated Current	mA(Max)	5	10Vp-p / 6.0KHz
04	Sound Output At 10cm	dBA(Min)	90	At 10Vp-p / 6.0KHz
05	Resonant Frequency	Hz	6000±500	
06	Capacitance at 120Hz	pF	12000±30%	
07	Operating Temp.	°C	-20 ~ +60	
08	Storage Temp.	°C	-30 ~ +70	
09	Weight	g	3	

Value Applying Rated Voltage

## STANDARD TEST FIXTURE



# Standard test condition of piezo buzzer



## Frequency Response Curve

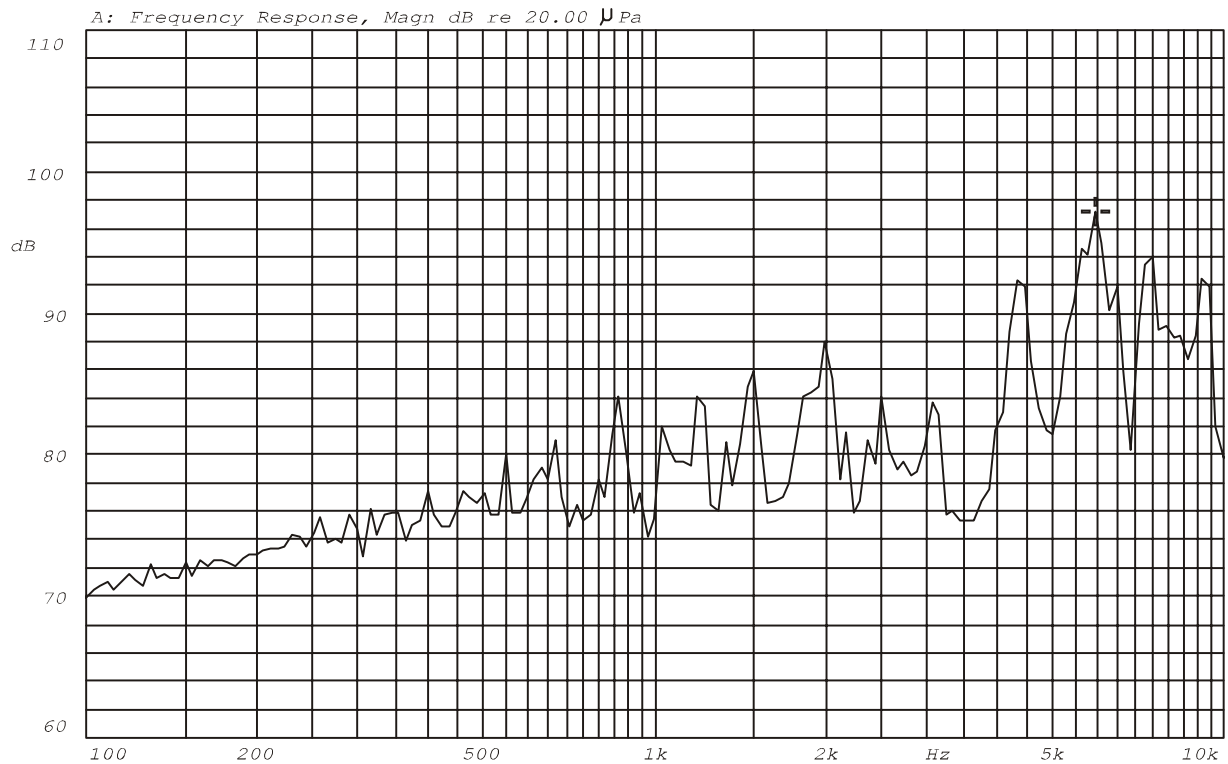
MODEL:AZ-2460E-P

X:5.9566kHz

Y:97.23dB

ZA:Live Curve

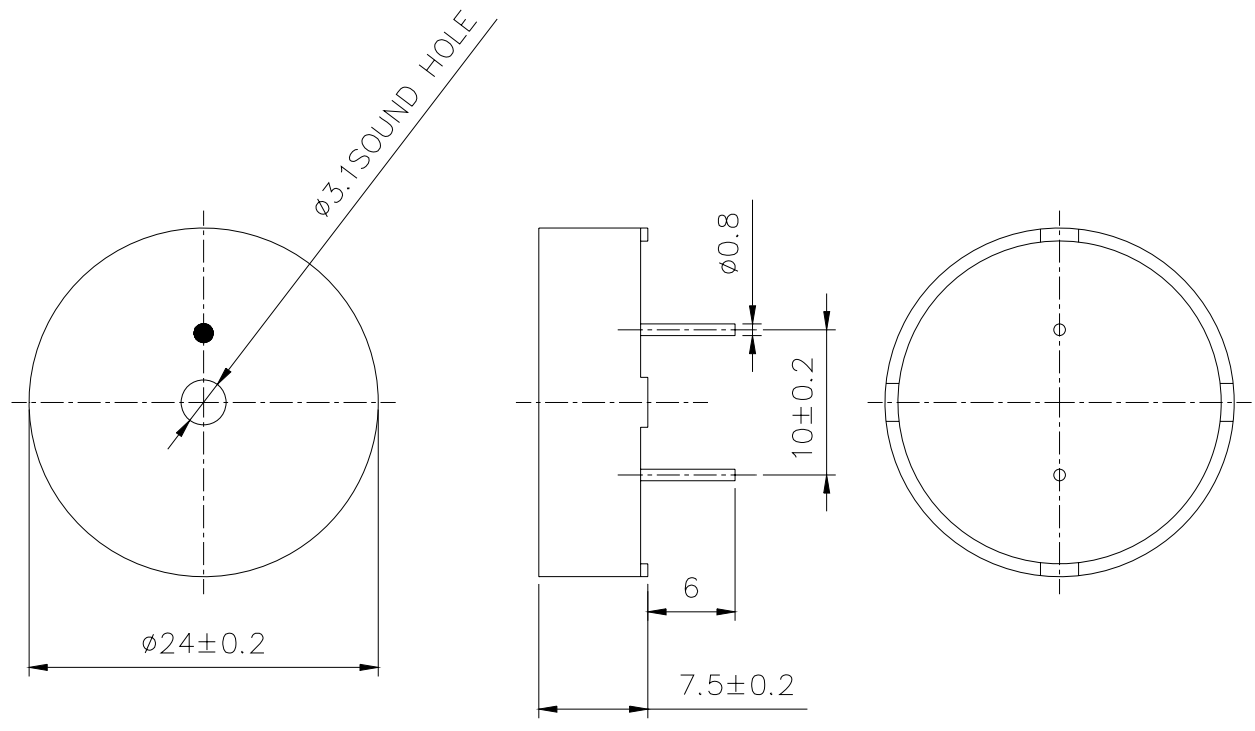
SSR T. RMS



Mode: SSR



REV NO.	REVISION NOTE	APPROVAL	DATE
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TITLE:	PIEZO BUZZER	DRAWN:	Milton	08/28/2001	SCALE:	2:1	SHEET:	1 : 1
PART NO.	AZ-2460E-P	DESIGNED:	R & D OF AAT		UNITS:	mm		
DWG NO.	DTP-1060	1	CHECKED:		TOLERANCE $\pm 0.5$			
		REV	APPROVAL:		UNLESS OTHERWISE SPECIFIED:			
			MATERIAL:	ABS	ONE PLACE DECIMAL $\pm$ ***			
					TWO PLACE DECIMAL $\pm$ ***			
					THREE PLACE DECIMAL $\pm$ ***			



苙翔科技股份有限公司  
 ADVANCED ACOUSTIC TECHNOLOGY CORPORATION

# ADVANCED ACOUSTIC TECHNOLOGY CORP.

## 苙翔科技股份有限公司

### AZ-2460E-P

Item		Conditions	Evaluation standard
01	Low Temp. Storage Test	A°C±2°C ,240Hr	(S.P.L)Test before numerical ±10dB *wrong (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