

MESSRS.

SPECIFICATION FOR APPROVAL

承 認 書

Product	PIEZO BUZZER
Part No.	AZ-3035E-W
Customer Approval	

Approved By	Checked By	Made By



ADVANCED ACOUSTIC TECHNOLOGY CORP.

苙 翔 科 技 股 份 有 限 公 司



ISO 9001 Certified

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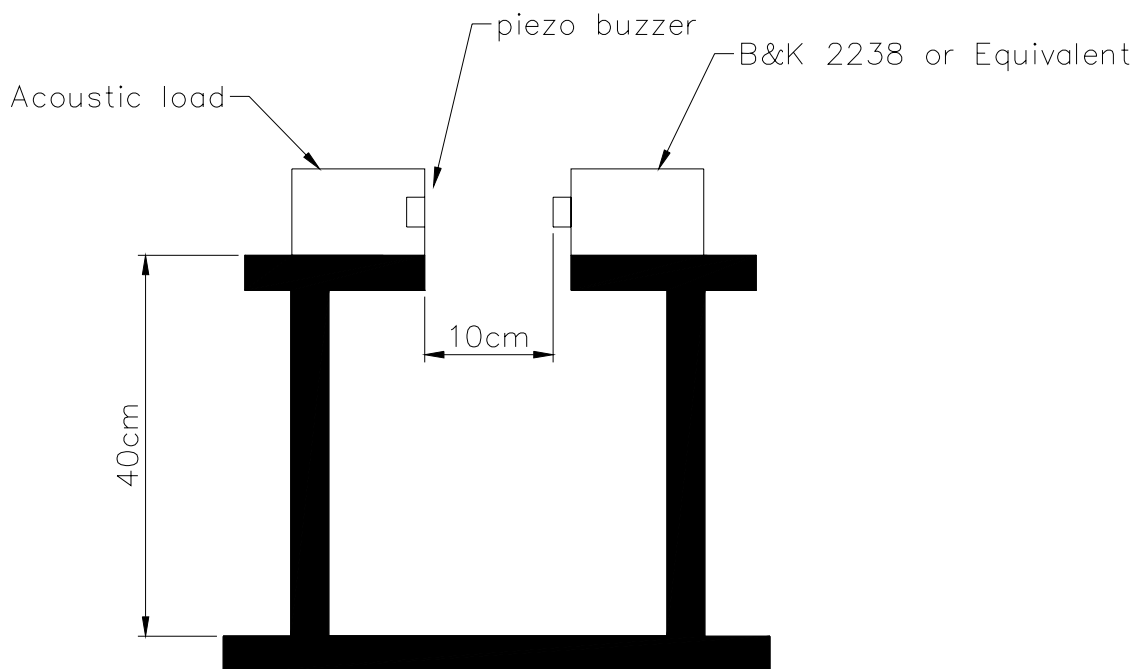
E-mail: aat_mail@seed.net.tw

AZ-3035E-W

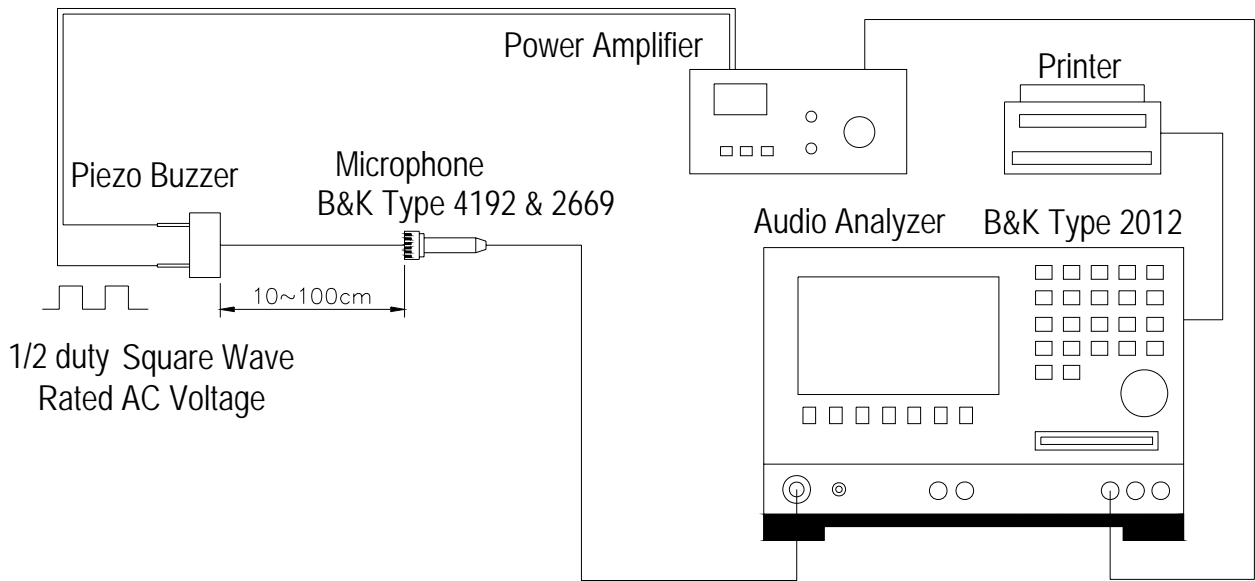
Items		Units	Specifications	Conditions
01	Rated Voltage	Vp-p	9	
02	Operating Voltage	Vp-p	1~30	
03	Rated Current	mA(Max)	9	At 9Vp-p
04	Sound Output At 10 cm	dBA(Min)	88	At 9Vp-p
05	Resonant Frequency	Hz	3500±500	
06	Operating Temp.	°C	-20 ~ +70	
07	Storage Temp.	°C	-30 ~ +80	
08	Lead wire	UL1095 AWG28		
09	Weight	g	3.5	
10	Capacitance at 120Hz	pF	20000±30%	

Value Applying at Rated Voltage.

STANDARD TEST FIXTURE



Standard test condition of piezo buzzer



Frequency response curve

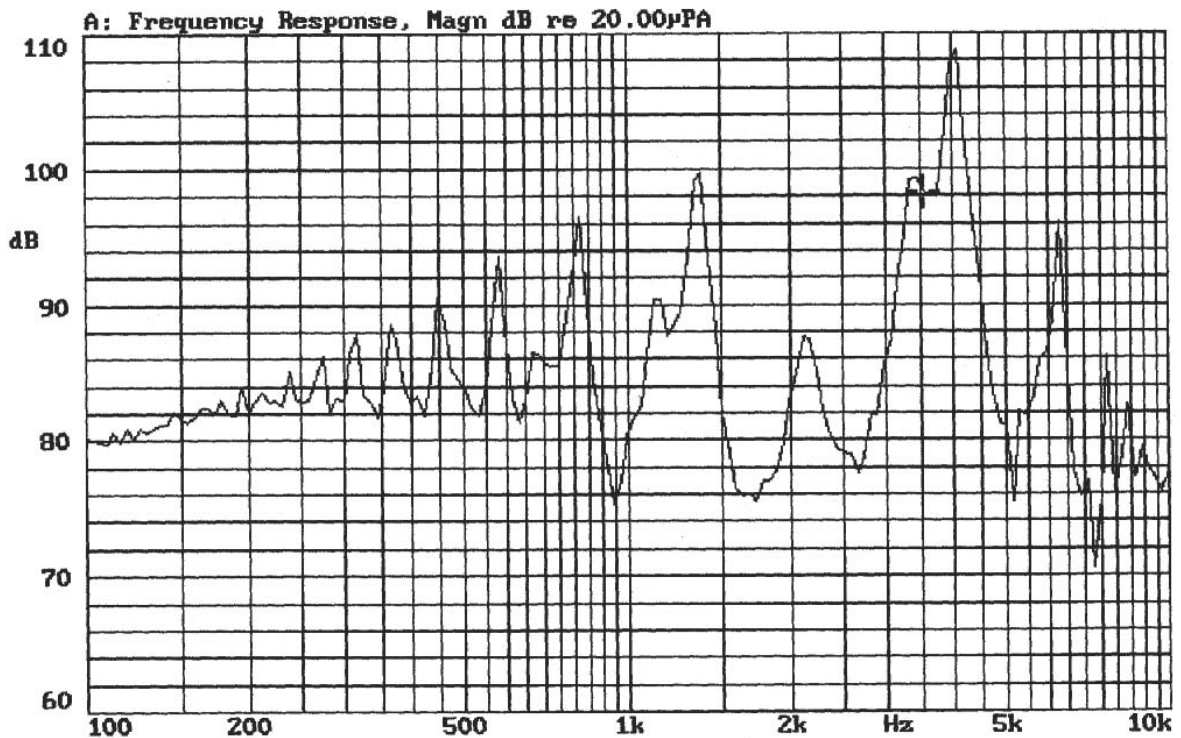
MODEL: AZ-3035E-W

X:3.5481kHz

Y:98.27dB

ZA:Live Curve

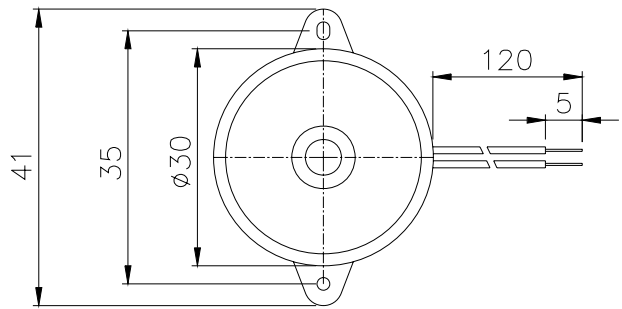
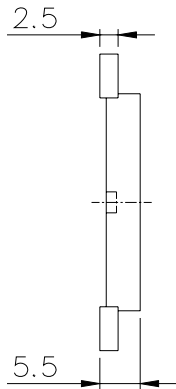
SSR T. RMS



Mode: SSR



REV NO.	REVISION NOTE	APPROVAL	DATE
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unit: mm tolerance: ± 0.5 mm
Housing material: ABS
Wave solder and wash not allowed

TITLE:	PIEZO BUZZER		DRAWN:	Milton	04/26/2001	SCALE:	1:1	SHEET:	1 OF 1
PART NO.	AZ-3035E-W		DESIGNED:	R & D OF AAT		UNITS:	mm		
DWG NO.	DTP-1022	1	CHECKED:			TOLERANCE	± 0.5		
			APPROVAL:			UNLESS OTHERWISE SPECIFIED:	ONE PLACE DECIMAL \pm ***		
		REV	MATERIAL:	ABS			TWO PLACE DECIMAL \pm ***		
							THREE PLACE DECIMAL \pm ***		



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

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RELIABILITY TEST

AZ-3035E-W

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