
SPECIFICATION FOR APPROVAL

Product	PIEZO BUZZER
Part No.	AZ-1720E-P
Customer Approval	

Approved By	Checked By	Made By



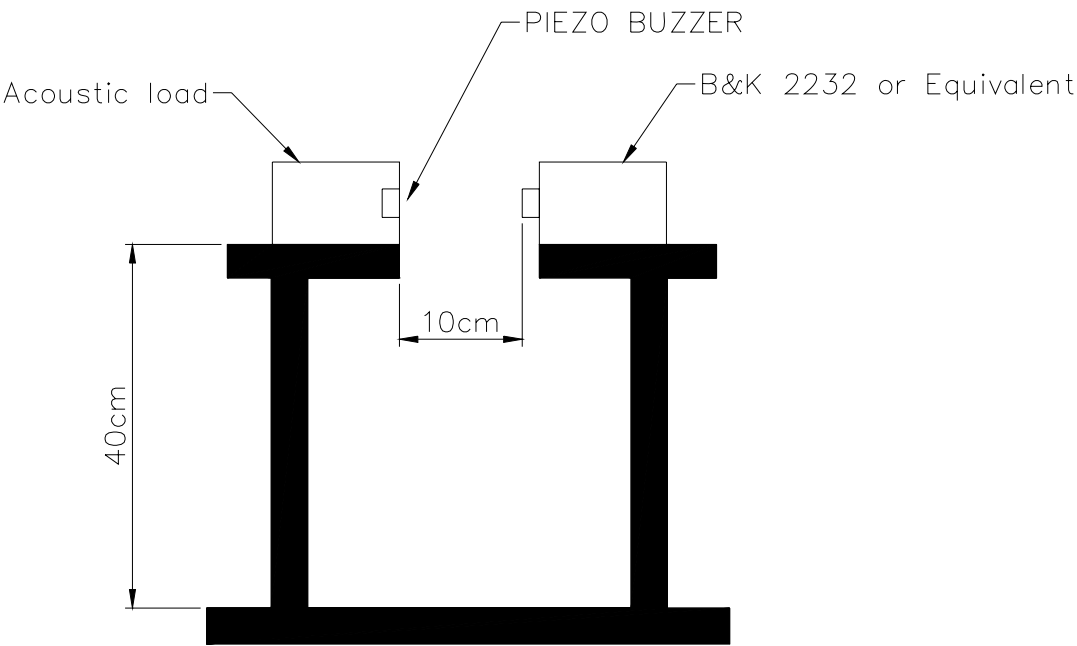
A & B Components

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

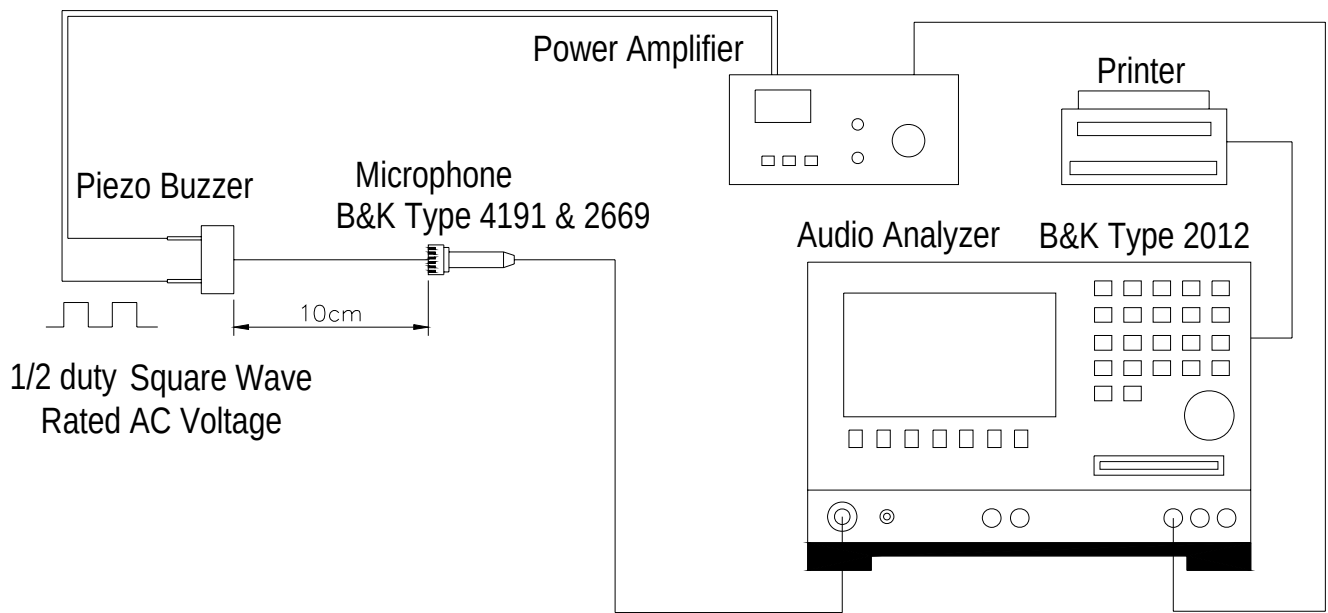
AZ-1720E-P

Items		Units	Specifications	Conditions
01	Rated Voltage	Vp-p	3	
02	Operating Voltage	Vp-p	3-25	
03	Rated Current (Max)	mA	5	At 3Vp-p / 2KHz
04	Min Sound Output	dB	70	At 10cm / 2KHz
05	Resonant Frequency	Hz	2000±500	
06	Capacitance at 120Hz	pF	34000±35%	
07	Lead Wire / Lead pin Material	Phosphor Bronze		
08	Operating Temp.	℃	-20 ~ +70	
09	Storage Temp.	℃	-40 ~ +85	
10	Weight	g	1	

STANDARD TEST FIXTURE

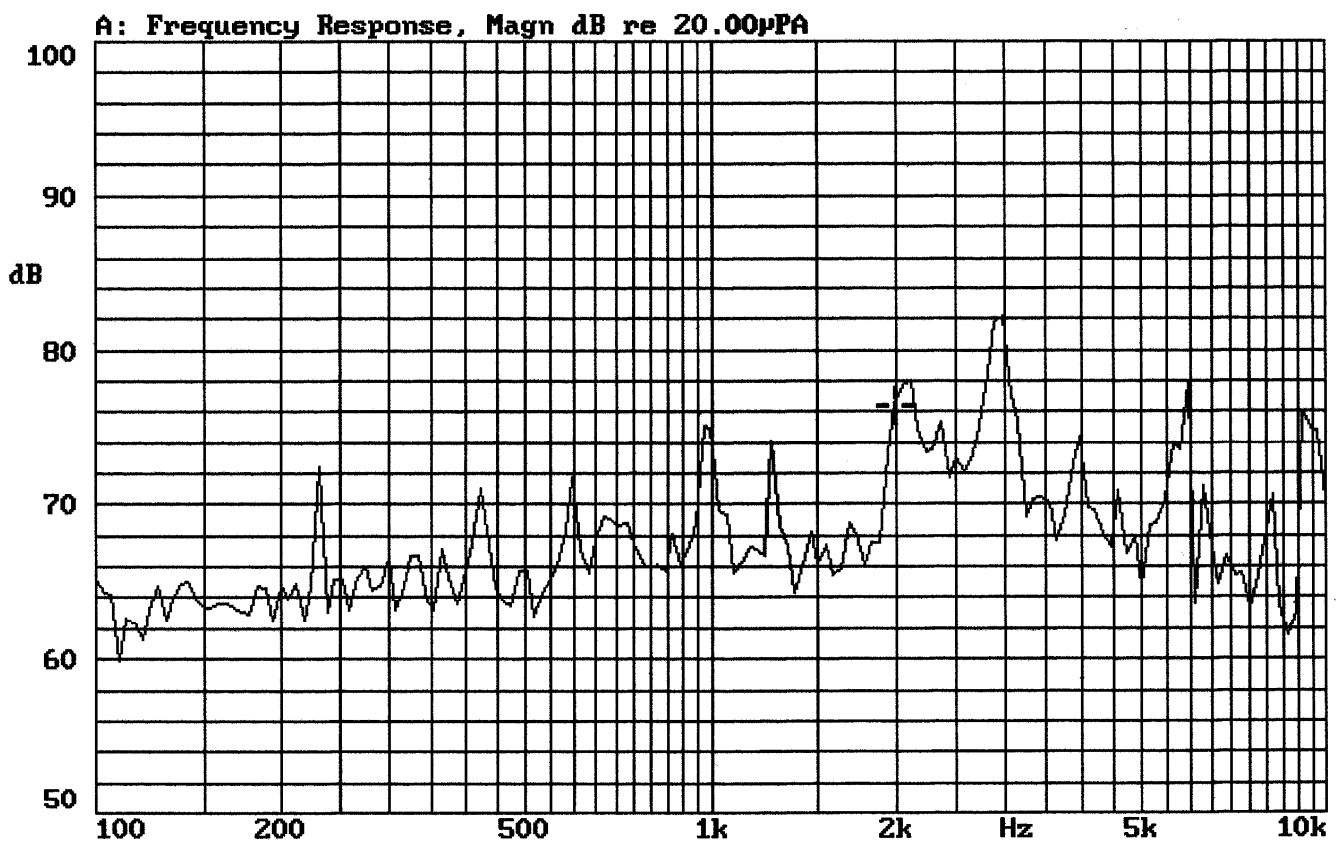


Standard test condition of piezo buzzer



FREQUENCY RESPONSE CURVE

AZ-1720E-P
X:1.9953kHz Y:76.39dB ZA:Live Curve SSR T. RMS



Mode: SSR

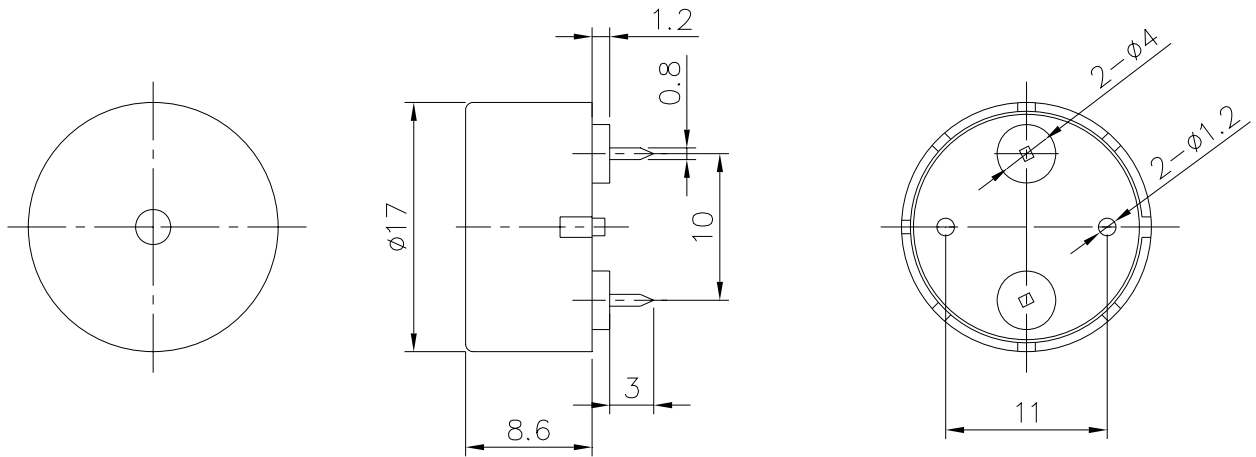


REV NO.

REVISION NOTE

APPROVAL

DATE

TITLE: *PIEZO BUZZER*DRAWN: *Richard* 12/13/2002

SCALE: 2:1 SHEET: 1 : 1

PART NO. *AZ-1720E-P*DESIGNED: *R & D DEP.*UNITS: *mm*DWG NO. *DTP-1191*

CHECKED:

TOLERANCE ± 0.5

APPROVAL:

UNLESS OTHERWISE SPECIFIED:

ONE PLACE DECIMAL $\pm$ ***TWO PLACE DECIMAL $\pm$ ***THREE PLACE DECIMAL $\pm$ ***

REV

MATERIAL: *NORYL**A & B Components*

RELIABILITY TEST

AZ-1720E-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