
SPECIFICATION FOR APPROVAL

Product	MAGNETIC BUZZER
Part No.	AC-901N-PD
Customer Approval	

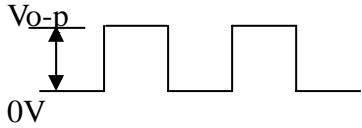
Approved By	Checked By	Made By



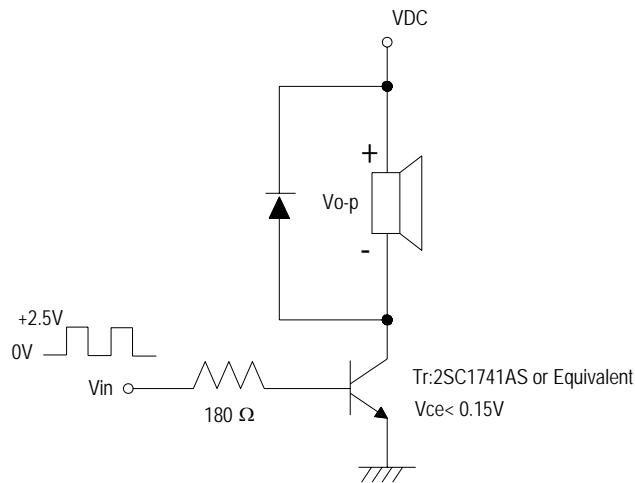
A & B Components

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

AC-901N-PD

Items		Units	Specifications				Conditions
01	Rated Voltage	Vo-p	1.5				
02	Operating Voltage	Vo-p	1~3				
03	Rated Current	mA (Max)	80				Applying rated voltage, rated frequency square wave, 1/2 duty subject to standard state.
04	Direct Current Resistance	Ohm	5.5±1				
05	Sound Output	dBA (min)	80				Distance at 10cm, applying rated voltage, rated frequency square wave, 1/2 duty subject to standard state.
06	Rated Frequency	Hz	2731				
07	Operating Temp.	°C	-20 ~ +70				
08	Storage Temp.	°C	-30 ~ +80				
09	Dimension	mm	Φ	9	Height	5.5	See attached drawing.
10	Weight	Gram	1.0				
11	Terminal		Two Pins				See attached drawing.

※Standard Drive Circuit:



※Standard Conditions:

Temperature 15 ~ 35°C

Humidity 25 ~ 80 %

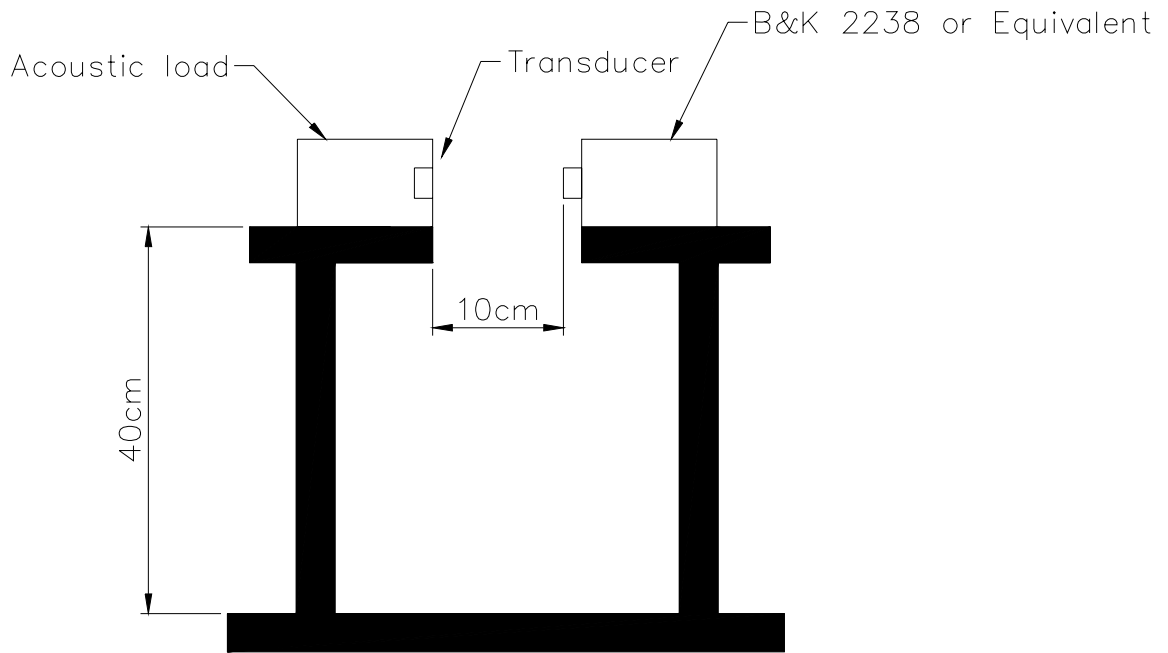
Air pressure 860 ~ 1060 HPa.

If the result is doubtful, should be retested with the conditions below: Temp. 20±2°C, Humidity 60 ~ 70 %, Air pressure 860 ~ 1060 HPa.

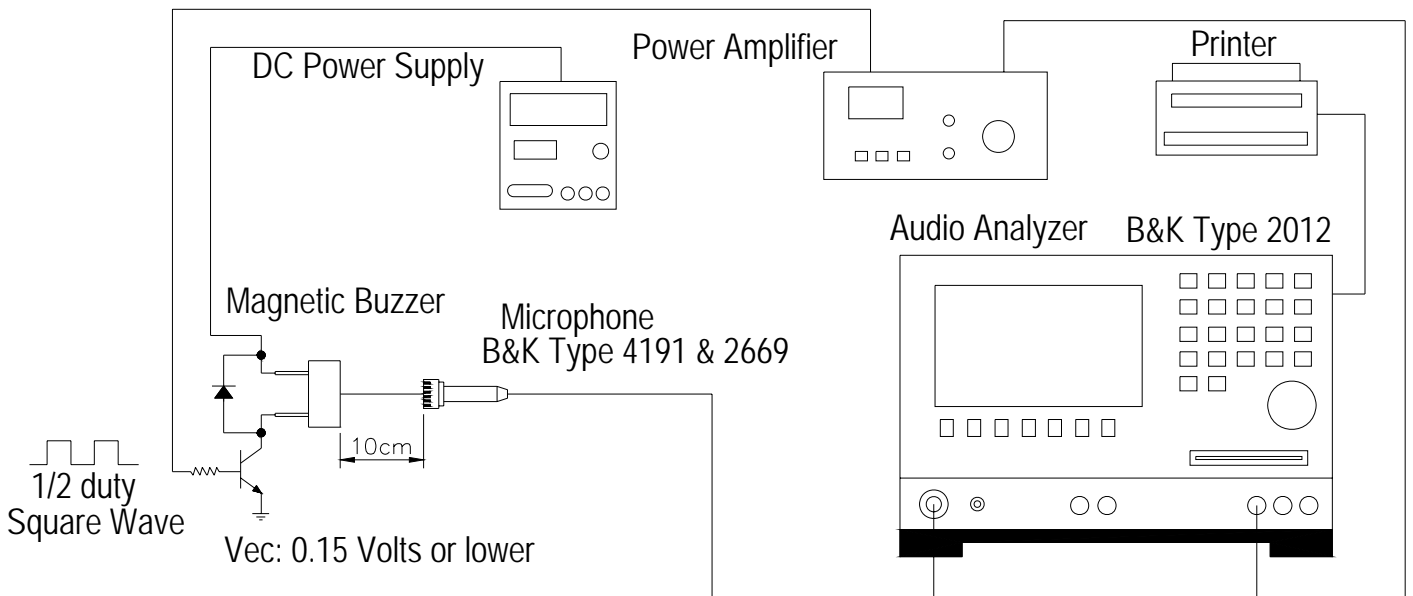
Air pressure 860 ~ 1060 HPa.

※Note: As this product is not protected from foreign material entering, please make sure that any foreign materials (e.g. magnetic powder, washing solvent, flux, corrosive gas) do not enter this product in your production processes. The functional degradation (e.g. SPL down) may occur if foreign material enters it.

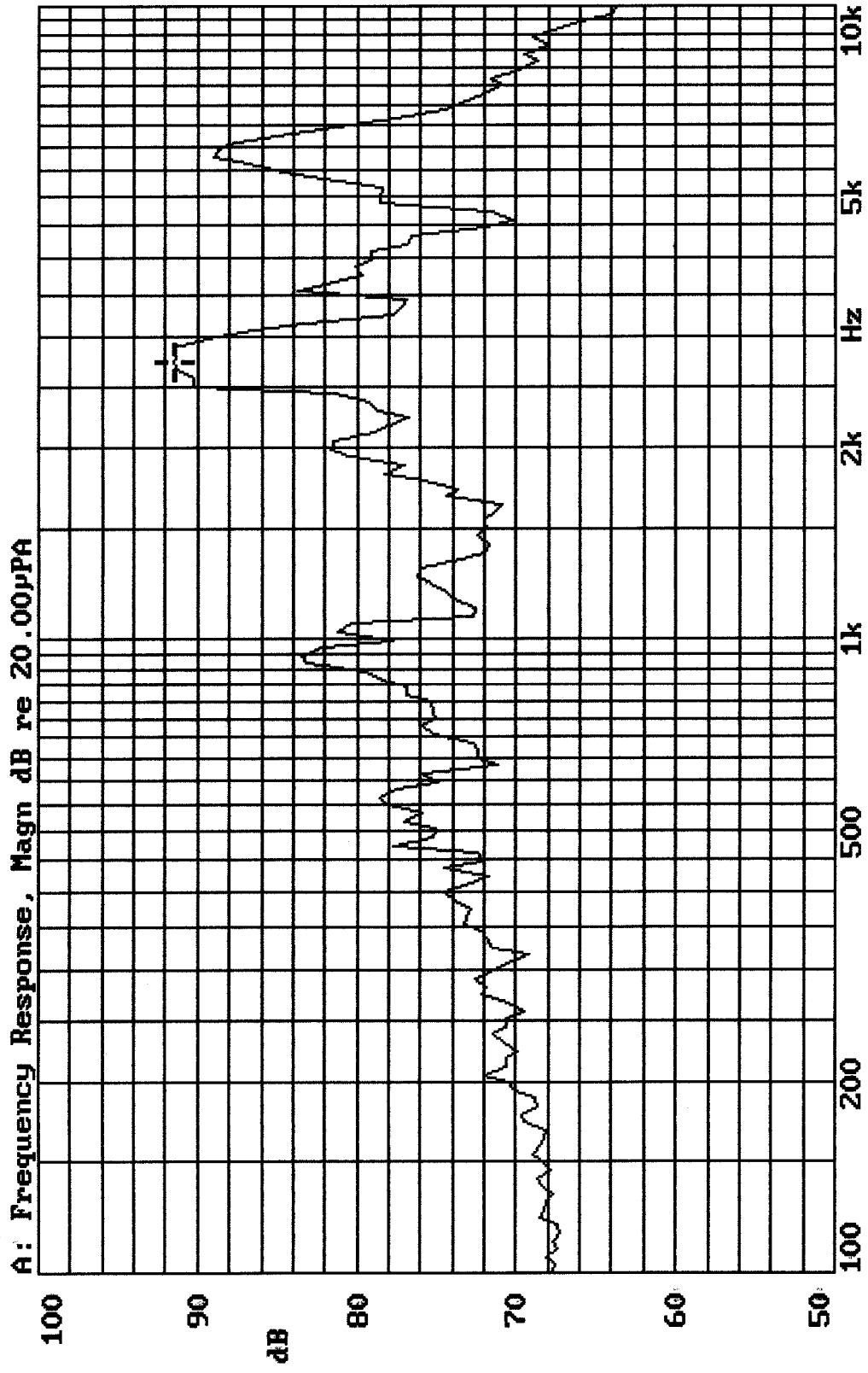
STANDARD TEST FIXTURE



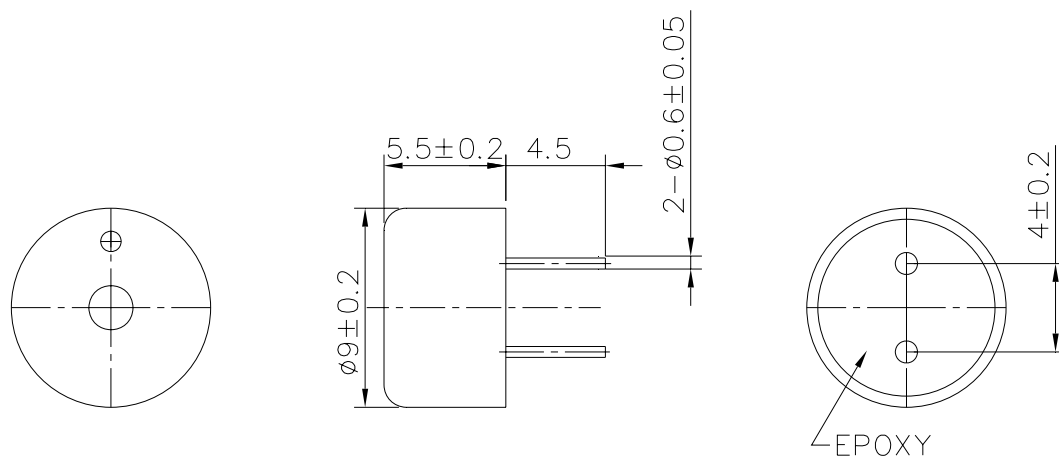
Standard test condition of magnetic buzzer



X:2.7384kHz Y:91.54dB ZA:Live Curve SSR I. RMS



Mode: SSR



TITLE: <i>SOUND TRANSDUCER</i>		DRAWN: <i>Richard</i> 11/26/2001	SCALE: 3:1	SHEET: 1 of 1
PART NO. <i>AC-901N-PD</i>		DESIGNED: <i>R&D DEP.</i>	UNITS: <i>mm</i>	
DWG NO. <i>DTT-2007</i>		CHECKED:	TOLERANCE ± 0.5	
		APPROVAL:	UNLESS OTHERWISE SPECIFIED: ONE PLACE DECIMAL \pm *** TWO PLACE DECIMAL \pm *** THREE PLACE DECIMAL \pm ***	
		REV <i>1</i>	MATERIAL: <i>NORYL</i>	

A & B Components

AC-901N-PD

RELIABILITY TEST

Item	Test conditions	Evaluation standard
05 Vibration	The part shall be subjected to a vibration cycle of 10Hz to 55Hz to 10Hz in a period of 1 minute. Total peak amplitude shall be 1.52mm (9.3G). The vibration test shall consist of 2 hours per plane in each three mutually perpendicular planes for a total time Of 6 hours.	After the test the part shall meet specifications without Any degradation and performance except S.P.L S.P.L shall be 72dB or more.
06 Fixed drop	The part shall be mounted on 100g jig(standard pc board) and dropped from a height of 152cm onto a concrete floor 5 times in each 6 planes. (a total of 30 times)	
07 Free drop	The part only shall be dropped from a height of 75cm onto a 40mm thick wooden board 3 times in 3 axes (X.Y.Z). (a total of 9 times).	
08 Operating life	1. Ordinary temperature The part shall be subjected to 1000 hours at room temperature ($25 \pm 10^{\circ}\text{C}$) with 1.5V 2731Hz applied. 2. High temperature The part shall be subjected to 500 hours at 70°C with 1.5V, 2731Hz applied. 3. Low temperature The part shall be subjected to 500 hours at -20°C with 1.5V, 2731Hz applied.	