SPECIFICATION FOR APPROVAL

Product	MAGNETIC BUZZER
Part No.	AC-501A
Customer Approval	
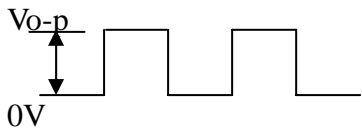
Approved By	Checked By	Made By

A & B Components

http://www.speaker-tw.com

AC-501A

	Items	Units	Specifications				Conditions
01	Rated Voltage	Vo-p	1.5				
02	Operating Voltage	Vo-p	1.0~2.0				
03	Mean Current	mA (Max)	35				Applying rated voltage,rated frequency Square wave,1/2 duty subject to standard state.
04	Direct Current Resistance	Ohm	16±4				
05	Sound Output	dBA (min)	75				Distance at 10cm,applying rated voltage,rated frequency square wave, 1/2duty subject to standard state.
06	Rated Frequency	Hz	2048				
07	Operating Temp.	℃	-40 ~ +85				
08	Storage Temp.	℃	-50 ~ +95				
09	Dimension	mm	Φ	12.0	Height	4	See attached drawing.
10	Weight	Gram	2.0				
11	Terminal		Two Pins				See attached drawing.

※Standard Drive Circuit:
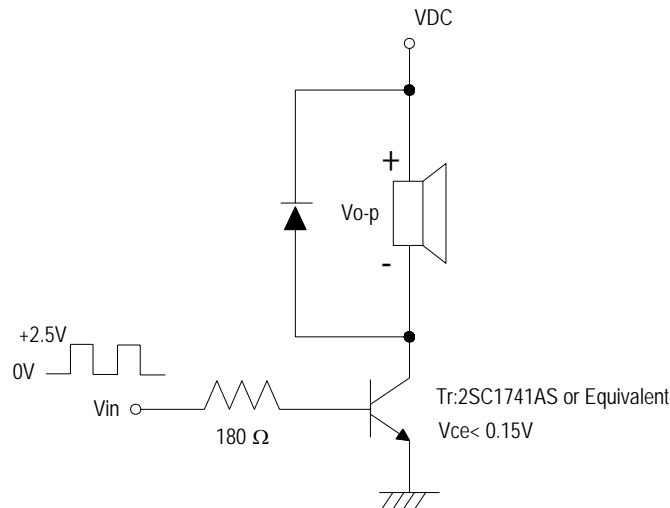
※Standard Conditions:

Temperature 15 ~ 35℃
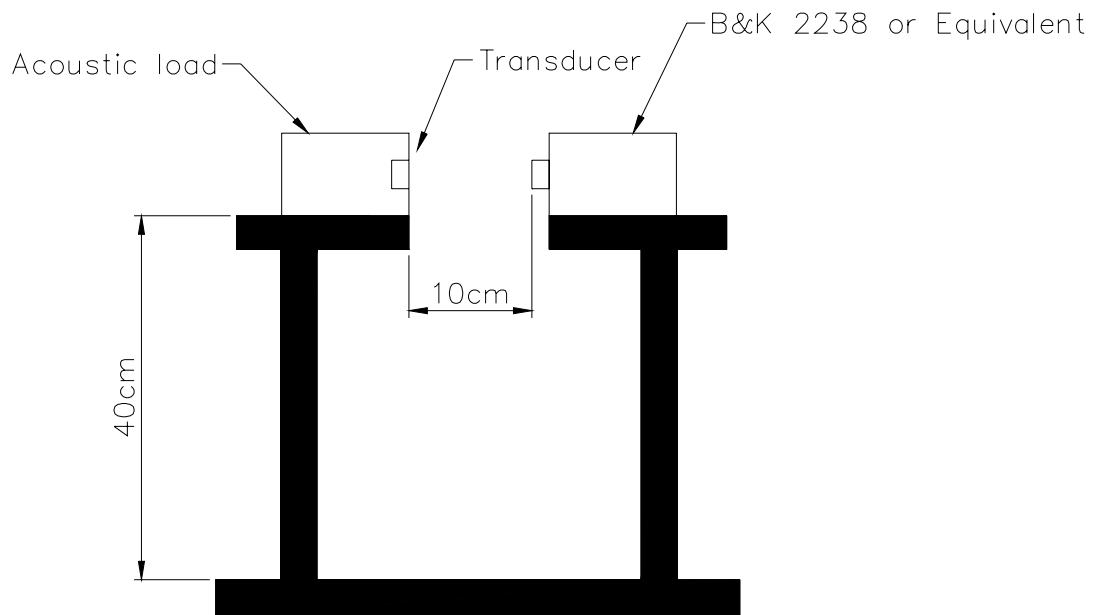
Humidity 25 ~ 80 %

Air pressure 860 ~ 1060 HPa.

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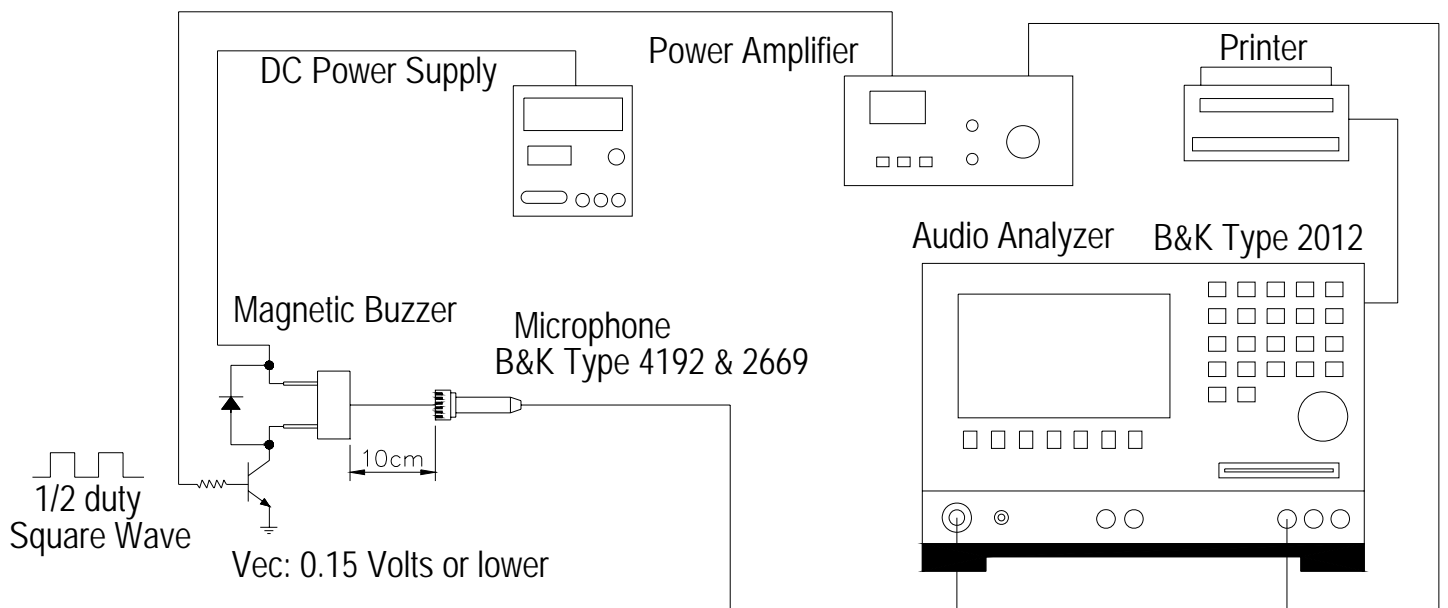
Air pressure 860 ~ 1060 HPa.

※Note:As this product is not protected from foreign material entering,please make sure that any foreign

materials(e.g. magnetic powder,washing solvend,flux,corrosive gas)do not enter this product in

your production processes.The functional degradation(e.g. SPL down)may occur if foreign

material enter it.

STANDARD TEST FIXTURE

Acoustic load —

Transducer

— B&K 2238 or Equivalent

10cm

40cm

Standard test condition of magnetic buzzer

DC Power Supply

Power Amplifier

Printer

Audio Analyzer   B&K Type 2012

Magnetic Buzzer

Microphone
B&K Type 4192 & 2669

1/2 duty
Square Wave

10cm

Vec: 0.15 Volts or lower

MODEL:AC-501A   Y:78.79dB   ZA:Live Curve   SSR T. RMS

X:2.0535kHz

A: Frequency Response, Magn dB re 20.00 μPA

Mode: SSR

ø8

ø12±0.2

ø0.6±0.02

5±0.5

4±0.2

6.5±0.2

○ + ―
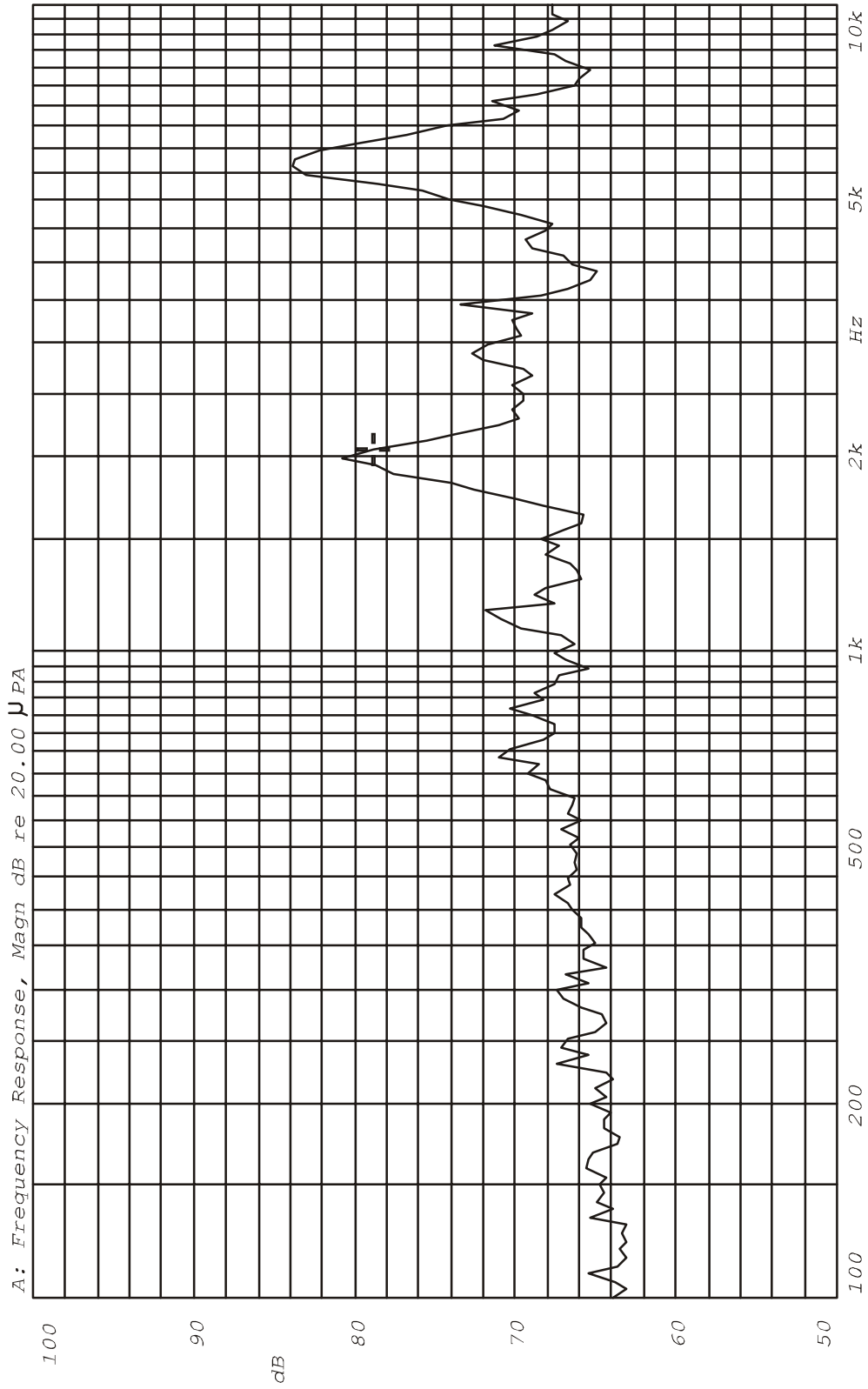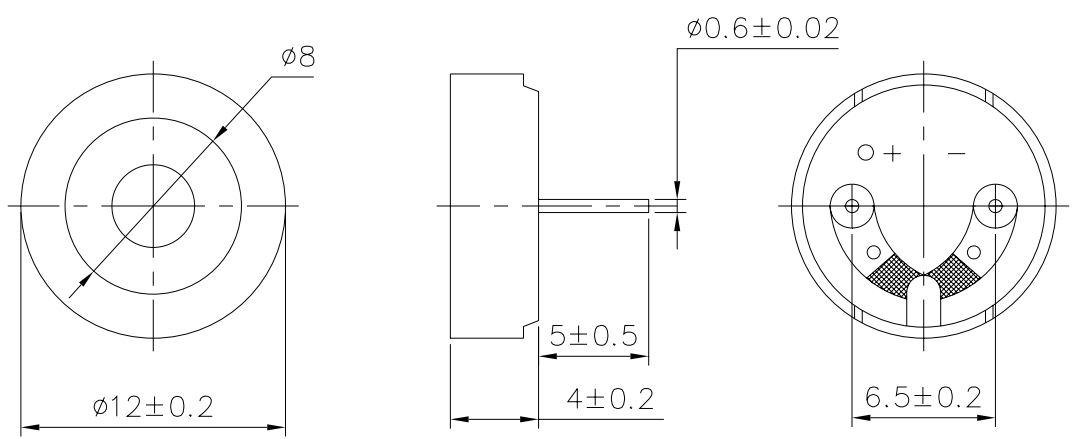
TITLE: SOUND TRANSDUCER DIMENSIONS		DRAWN: *Richard* 09/04/2001	SCALE: 3/1	SHEET: 1 OF 1
		DESIGNED: R&D DEP.	UNITS: mm	
PART NO. AC−501A	1	CHECKED:	TOLERANCE ± 0.5	
		APPROVAL:	UNLESS OTHERWISE SPECIFIED: ONE PLACE DECIMAL ± ***	
DWG NO. DTT−1086	REV	MATERIAL: PBT	TWO PLACE DECIMAL ± *** THREE PLACE DECIMAL ± ***	

A & B Components