
SPECIFICATION FOR APPROVAL

| | |
|----------------------|-----------------|
| Product | MAGNETIC BUZZER |
| Part No. | AC-1205G |
| Customer Approval | |

| | | |
|-------------|------------|---------|
| Approved By | Checked By | Made By |
| | | |

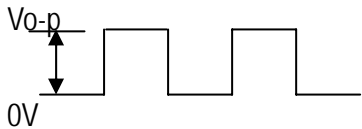


A & B Components

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

1. Specifications

AC-1205G

| Items | | Units | Specifications | Conditions |
|-------|---------------------------|--------------|----------------|---|
| 01 | Rated Voltage | Vo-p | 5.0 |  |
| 02 | Operating Voltage | Vo-p | 4.0 ~ 8.0 | |
| 03 | Comsumption Current | mA (Max) | Mean 50 | Applying rated voltage, rated frequency Square wave, 1/2 duty subject to standard state. |
| | | | Peak 150 | |
| 04 | Direct Current Resistance | Ohm | 40±6 | |
| 05 | Sound Output | dBA (min) | 85 | Distance at 10cm, applying rated voltage, rated frequency square wave, 1/2duty subject to standard state. |
| 06 | Rated Frequency | Hz | 2400 | |
| 07 | Operating Temp. | ℃ | -30 ~ +75 | |
| 08 | Storage Temp. | ℃ | -40 ~ +85 | |
| 09 | Weight | Gram | 2 | |

2. Measuring Method

2-1. Test Condition

STANDARD

Temperature : 15 ~ 35℃

Relative humidity : 25% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

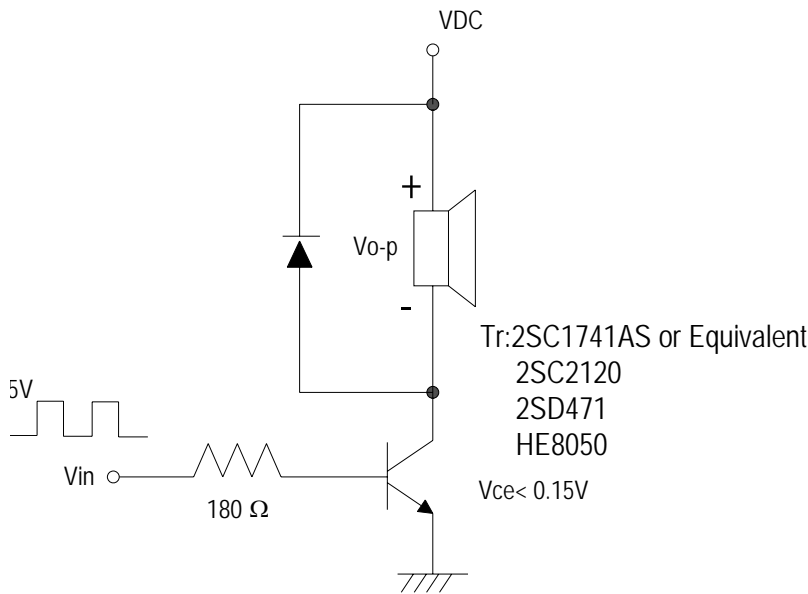
JUDGEMENT

Temperature : 20±3℃

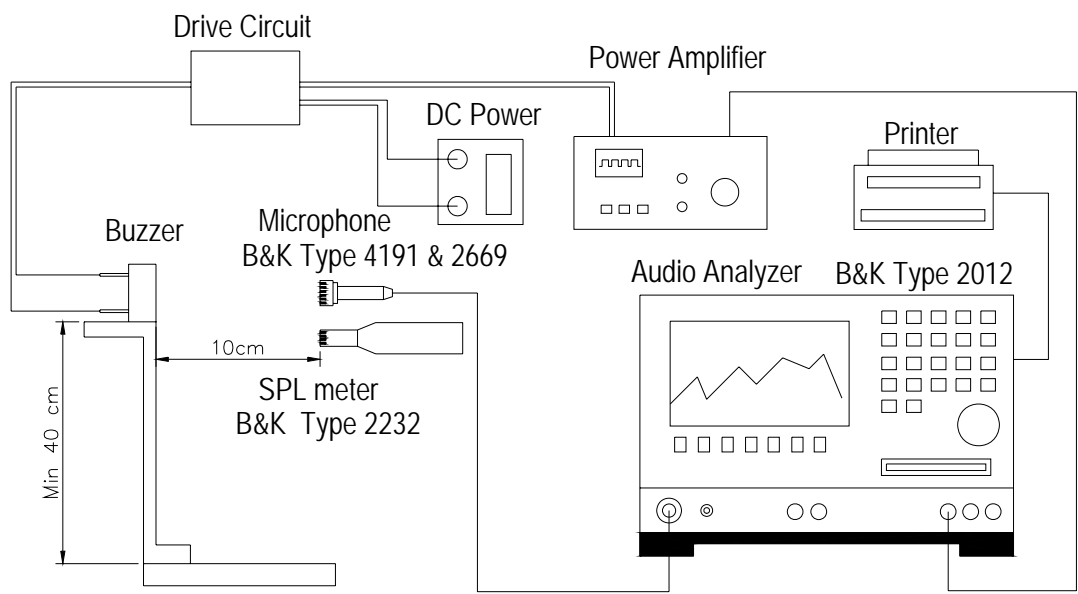
Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

2-2. Standard Drive Circuit:

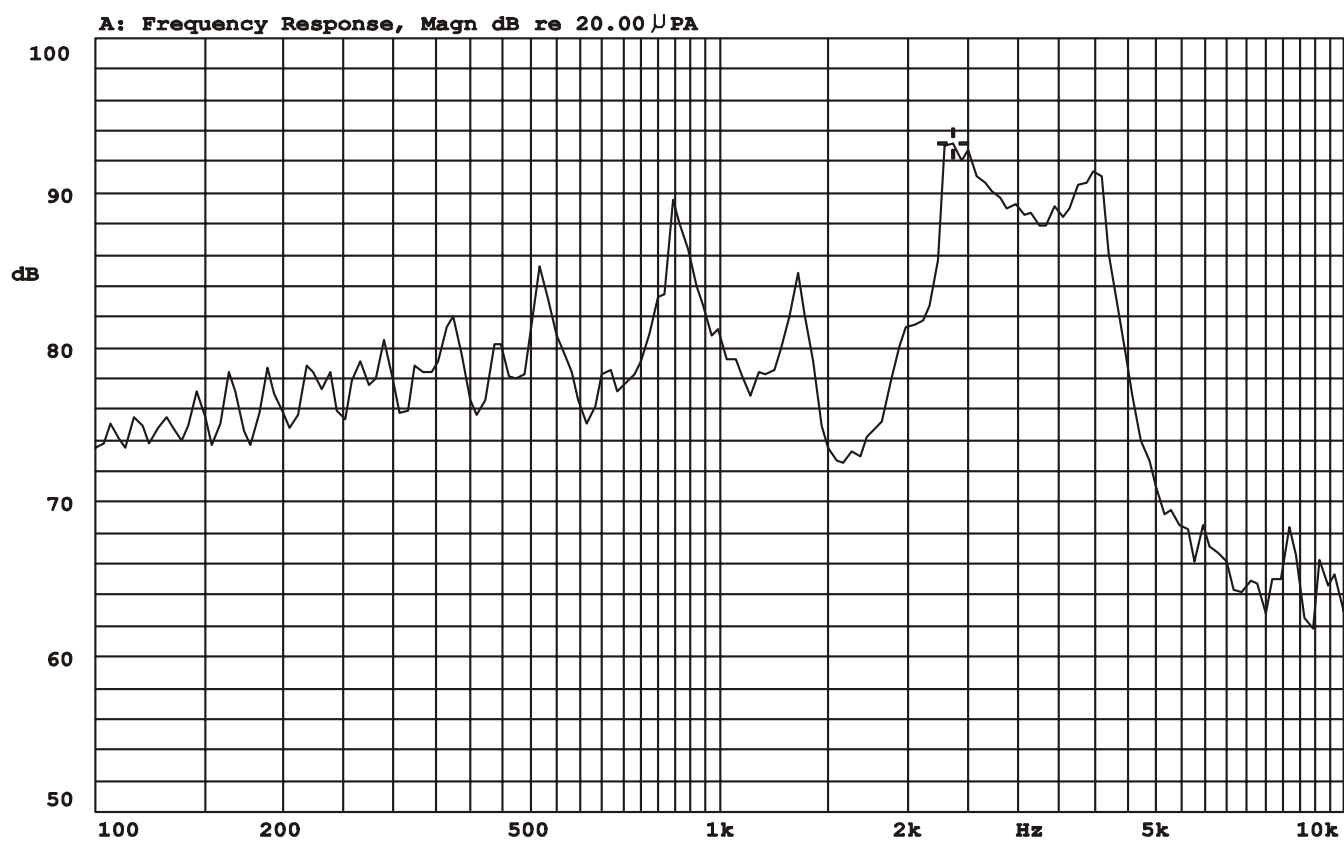


2-3. Standard Test Fixture



2-4. Frequency Response Curve

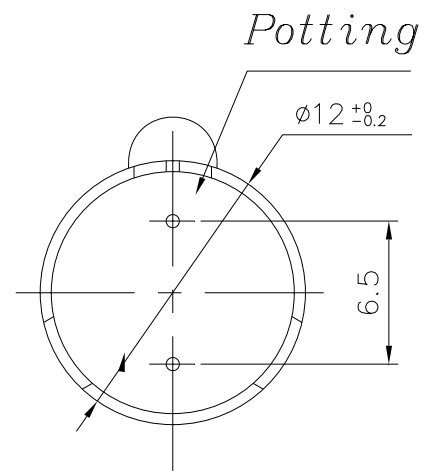
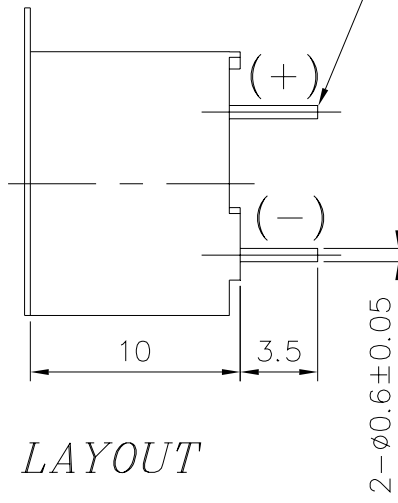
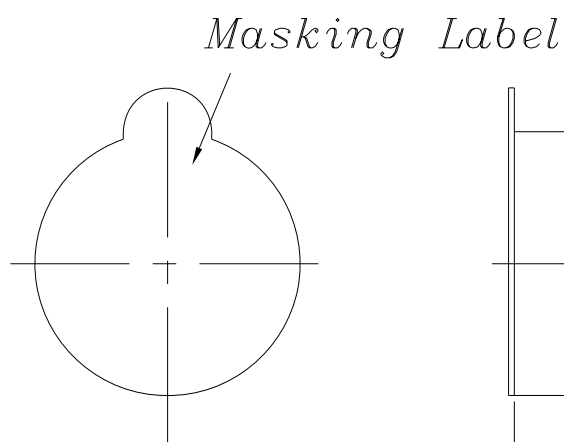
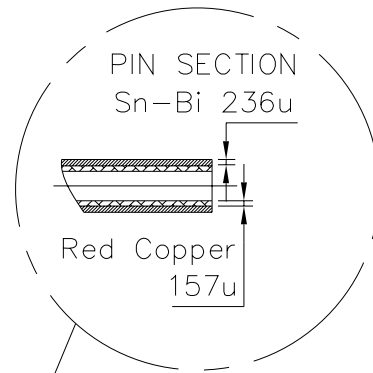
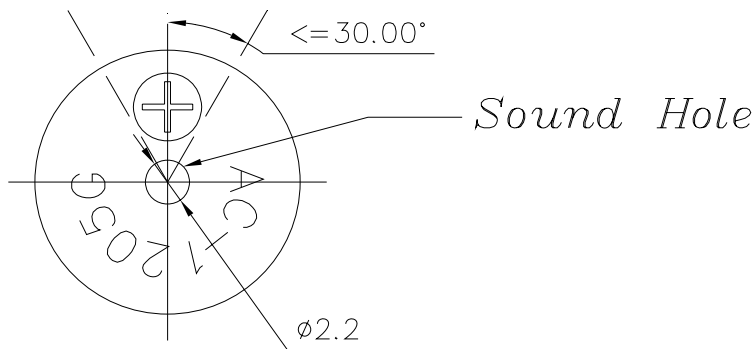
X:2.3714kHz Y:93.12dB ZA:Live Curve SSR T. RMS



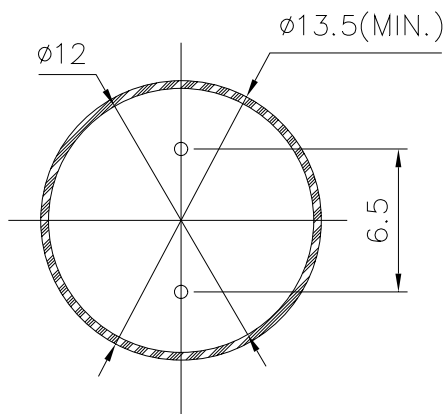
Mode: SSR



■ DIMENSION



■ RECOMMEND PCB LAYOUT



TITLE: MAGNETIC BUZZER

DRAWN: *Richard* 09/28/2006

SCALE: 3:1 SHEET: 1 OF 1

PART NO. AC-1205G

DESIGNED: R&D DEP.

UNITS: mm

CHECKED:

TOLERANCE ± 0.3

APPROVAL:

UNLESS OTHERWISE SPECIFIED:

DWG NO. DTE-1135

REV

MATERIAL: PBT 200°C

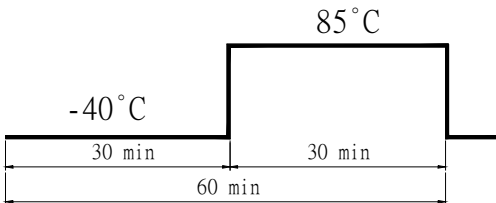
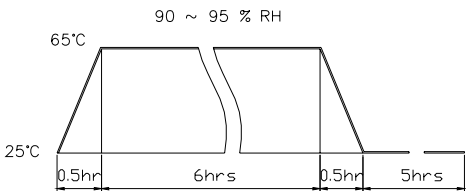
ONE PLACE DECIMAL ± ***

TWO PLACE DECIMAL ± ***

THREE PLACE DECIMAL ± ***

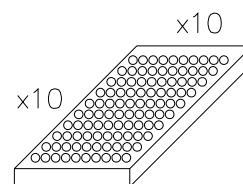
A & B Components

4. RELIABILITY TEST

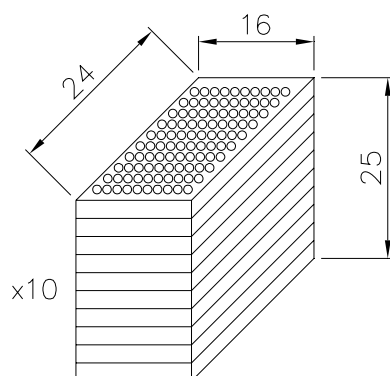
| Item | | Test conditions | Evaluation standard |
|------|------------------------|---|--|
| 01 | High temp.Storage life | The part shall be capable of withstanding a storage Temperature of 85°C for 96 hours. | <p>After the test the part shall meet specifications without Any degradation in appearance and performance except S.P.L S.P.L shall be 77dB or more.</p> |
| 02 | Low temp.Storage life | The part shall be capable of withstanding a storage Temperature of -40°C for 96 hours. | |
| 03 | Temp. cycle | <p>The part shall be subjected 10 cycles. One cycle shall consist of;</p>  | |
| 04 | Temp./Humidity cycle | <p>The part shall be subjected 10 cycles. One cycle shall be 12 hours and consist of;</p>  | |
| 05 | Operating life | <p>Rated Voltage,Frequency applied.</p> <ol style="list-style-type: none"> Ordinary temperature The part shall be subjected to 1000 hours at room tremperture (25 ±10°C) High temperature The part shall be subjected to 500 hours at 75°C Low temperature The part shall be subjected to 500 hours at -30°C | |
| 06 | 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. | |

| Item | | Test conditions | Evaluation standard |
|------|------------------------|--|--|
| 07 | Fixed drop | The part shall be mounted on 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) | After the test the part shall meet specifications without Any degradation in appearance and performance except S.P.L S.P.L shall be 77dB or more. |
| 08 | 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). | |
| 09 | Solder ability | Soldering : $360\pm 5^{\circ}\text{C}$ / 2 Sec. Bath Soldering : $260\pm 10^{\circ}\text{C}$ / 2 Sec | |
| 10 | Solder heat resistance | Soldering into solderbath : $350\pm 5^{\circ}\text{C}$ / 3 Sec | |
| 11 | Lead strength | Pull lead with a force of 10N,on the direction of the lead axis for 10 : 10 ± 1 sec | |
| 12 | Washability | Solvent : deionized water Solvent temp. : $55\pm 5^{\circ}\text{C}$ Soaking time : 5 ± 0.5 min. | |

1 FLAT = 100 PCS.



10 FLAT = 1 SMALL BOX

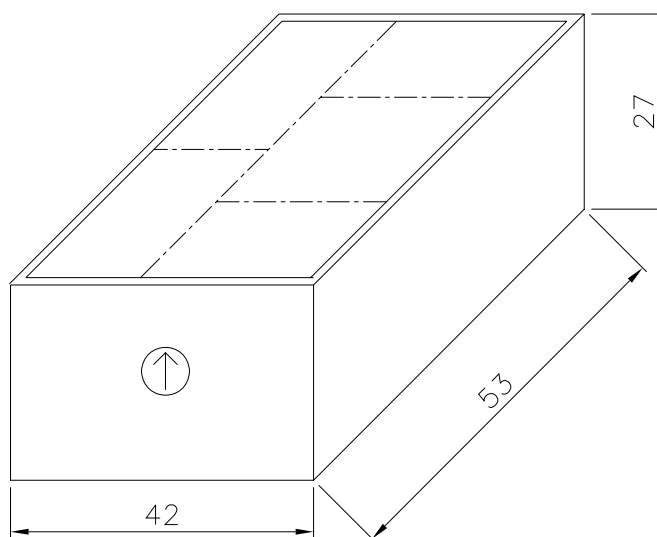


5 SMALL BOX = 1 BIG BOX

Gross Weight :10Kgw.

Net Weight :11.5Kgw.

MADE IN CHINA



TITLE: PACKING

DRAWN: *Richard* 01/03/2005

SCALE:

SHEET:

PART NO. AC-1205G

DESIGNED: R&D DEP.

UNITS: cm

CHECKED:

TOLERANCE \pm

APPROVAL:

UNLESS OTHERWISE SPECIFIED:

ONE PLACE DECIMAL \pm ***

TWO PLACE DECIMAL \pm ***

THREE PLACE DECIMAL \pm ***

DWG NO.

REV

MATERIAL: *****

A & B Components