

MESSRS.**SPECIFICATION FOR APPROVAL****承 认 书**

| | |
|--------------------------|---------------------------|
| Product | MAGNETIC BUZZER |
| Part No. | AS-1201A-W3 (RoHS) |
| Customer Approval | |

| | | |
|--------------------|--------------------|---------------------|
| Approved By | Checked By | Made By |
| 王台平 FEB-25-2009 | 曹丽萍 FEB-25-2009 | LILY FEB-25-2009 |

常 州 华 龙 电 子 有 限 公 司
Changzhou Dragon State Electronic Co., Ltd

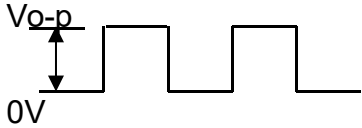
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EDITION:1.1

1. Specifications

AS-1201A-W3(RoHS)

| Items | | Units | Specifications | Conditions |
|-------|---------------------------|--------------|--------------------|--|
| 01 | Rated Voltage | Vo-p | 1.5 |  |
| 02 | Operating Voltage | Vo-p | 1.0~3.0 | |
| 03 | Consumption Current | mA (Max) | Mean 30 Peak 90 | Applying rated voltage, rated frequency Square wave, 1/2 duty subject to standard state. |
| 04 | Direct Current Resistance | Ohm | 16±2.4 | |
| 05 | Sound Output | dBA (min) | 85 | Distance at 10cm, applying rated voltage, rated frequency square wave, 1/2 duty subject to standard state. |
| 06 | Rated Frequency | Hz | 2048 | |
| 07 | Operating Temp. | °C | -30 ~ +75 | |
| 08 | Storage Temp. | °C | -40 ~ +85 | |
| 09 | Weight | Gram | 2.0 | |

2. Measuring Method

2-1. Test Condition

STANDARD

Temperature : 15 ~ 35°C

Relative humidity : 25% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

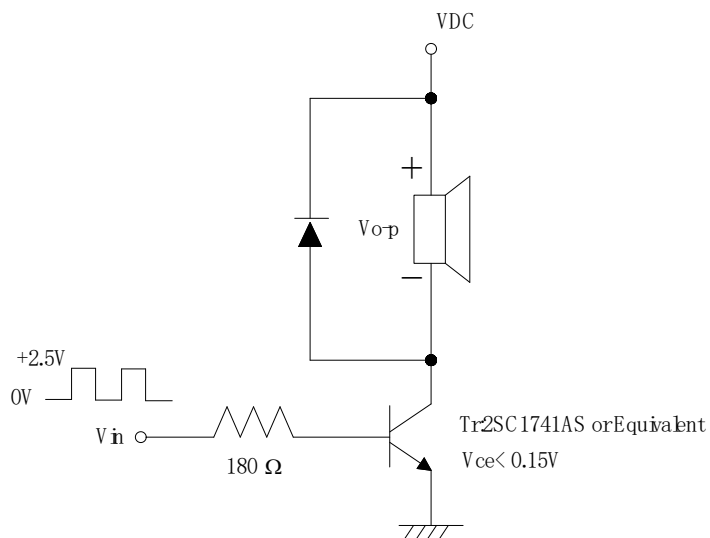
JUDGEMENT

Temperature : 20±3°C

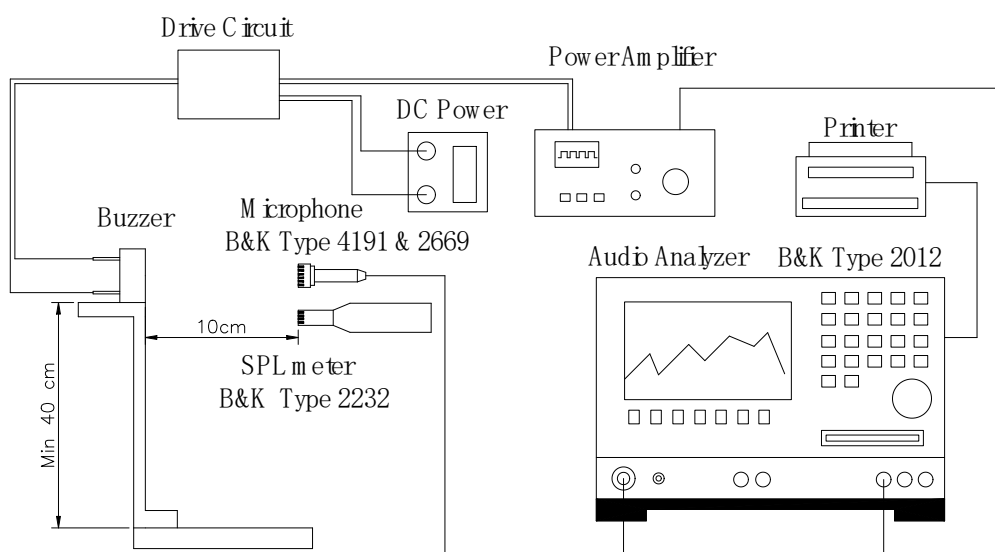
Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

2-2. Standard Drive Circuit:

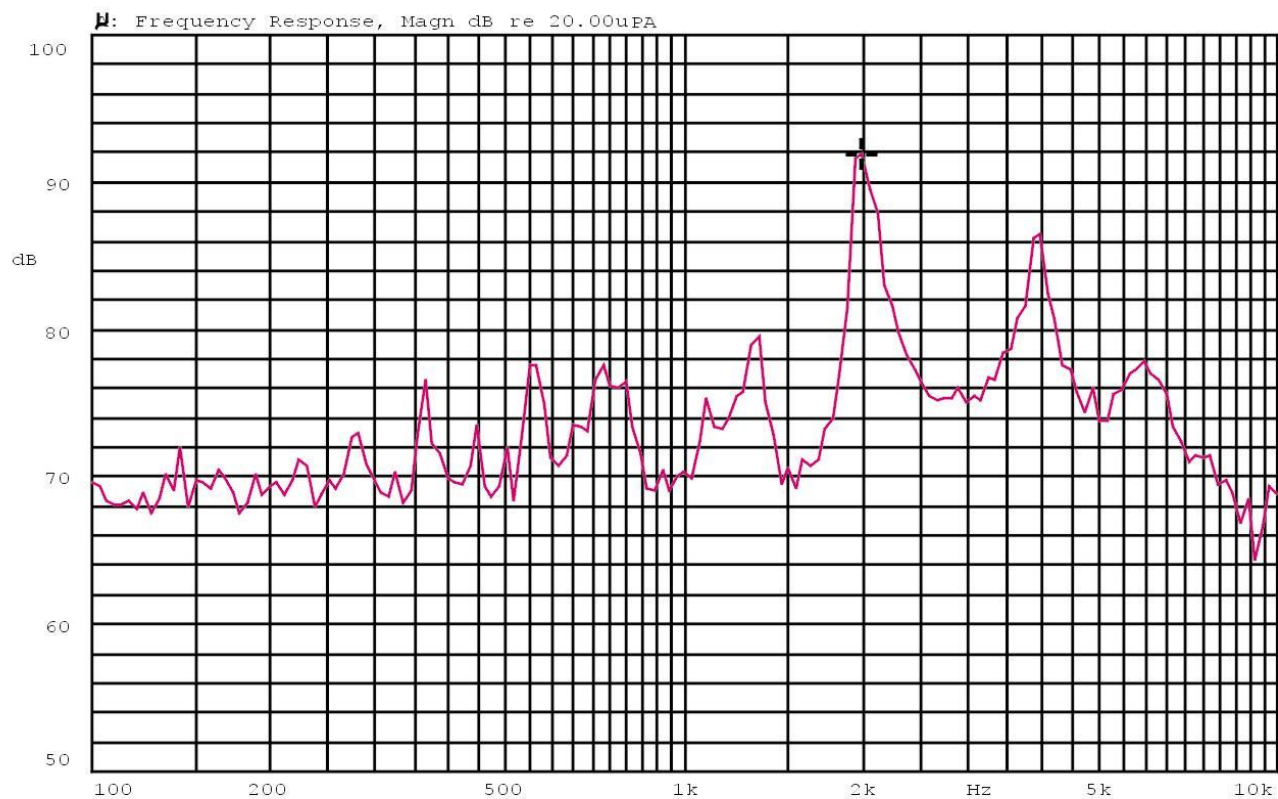


2-3. Standard Test Fixture



2-4. Frequency Response Curve

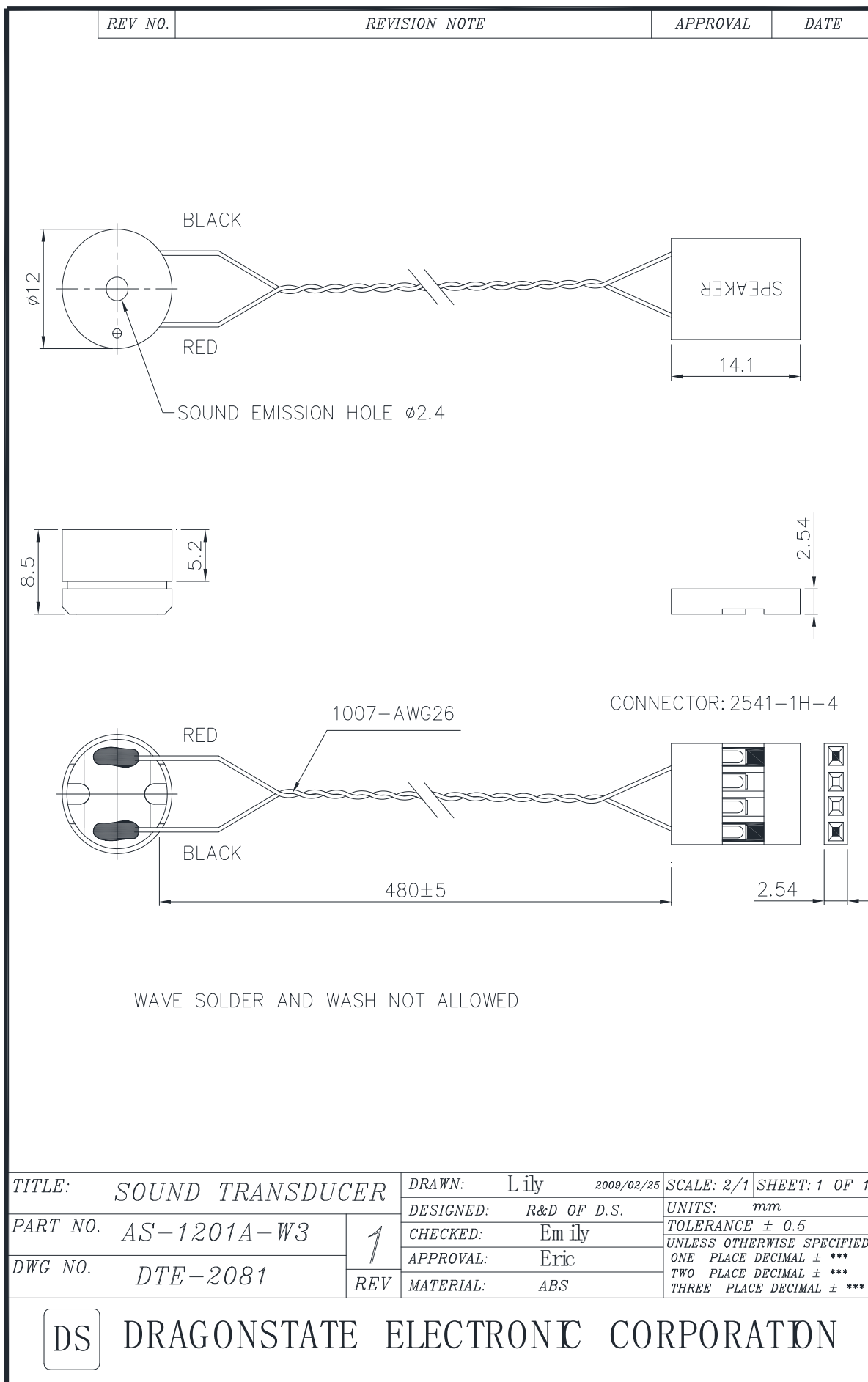
X:1.9953kHz Y:91.90dB ZA:Live Curve SSR T. RMS



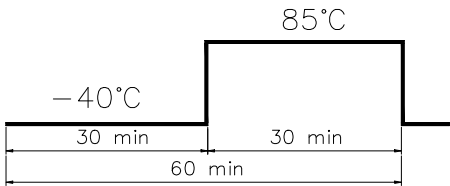
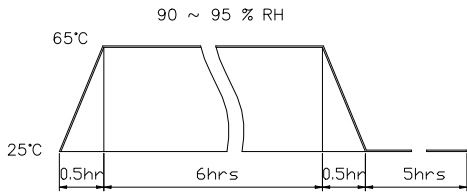
Mode: SSR



3.Dimension



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℃ for 96 hours. | After the test the part shall meet specifications without Any degradation in appearance and performance except S.P.L S.P.L shall be 82dB or more. |
| 02 | Low temp.Storage life | The part shall be capable of withstanding a storage Temperature of -40℃ for 96 hours. | |
| 03 | Temp. cycle | The part shall be subjected 10 cycles. One cycle shall consist of;  | |
| 04 | Temp./Humidity cycle | The part shall be subjected 10 cycles. One cycle shall be 12 hours and consist of;  | |
| 05 | Operating life | Rated Voltage,Frequency applied. 1. Ordinary temperature The part shall be subjected to 1000 hours at room temperature (25 ±10℃) 2. High temperature The part shall be subjected to 500 hours at 75℃ 3. Low temperature The part shall be subjected to 500 hours at -30℃ | |
| 06 | Lead Strength | Pull load on the direction of the lead axis for 10 ±1 sec. | |
| 07 | 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 |
|------|------------------------|--|--|
| 08 | 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 82dB or more. |
| 09 | 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). | |
| 10 | Solder ability | Immerse fluxed soldered section of contact pin into a solder bath (Sn-3Ag-0,5Cu) for 3~5seconds,temperature at $245 \pm 5^{\circ}\text{C}$ 95% of immersed Area must show no Voids, pin holes | |
| 11 | Solder heat resistance | Soldering into solder bath : $350 \pm 5^{\circ}\text{C}$ Soaking time : 3 sec | |
| 12 | Lead strength | Pull lead with a force of 10N,on the direction of the lead axis for 10 : 10 ± 1 sec | |
| 13 | Washability | Solvent : deionized water Solvent temp. : $55 \pm 5^{\circ}\text{C}$ Soaking time : 5 ± 0.5 min. | |

警告

WAVE SOLDERING AND WASH NOT ALLOWED !

不可使用於錫爐水洗製程!