

MESSRS.

SPECIFICATION FOR APPROVAL

承 認 書

| | |
|-------------------|---------------------------|
| Product | MAGNETIC BUZZER INDICATOR |
| Part No. | AB-26061-W |
| Customer Approval | |

| Approved By | Checked By | Made By |
|-------------------------------|-------------------------------|-------------------------------|
| 工程 部 王台平 MAY-12-2006 | 工程 部 劉民祥 MAY-12-2006 | 工程 部 許俊程 MAY-12-2006 |



ADVANCED ACOUSTIC TECHNOLOGY CORP.

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AB-26061-W

| Items | | Units | Specifications | | | | Conditions |
|-------|---------------------------|-------------|----------------|------|--------|------|--|
| 01 | Rated Voltage | VDC | 6 | | | | Volts D.C. |
| 02 | Operating Voltage | VDC | 4-8 | | | | Volts D.C. |
| 03 | Mean Current | mA (Max) | 33 | | | | Applying rated voltage |
| 04 | Direct Current Resistance | Ohm | None | | | | |
| 05 | Sound Output | dB (min) | 90 | | | | Distance at 10cm, applying rated voltage |
| 06 | Basic Frequency | Hz | 400± 100 | | | | |
| 07 | Operating Temp. | °C | -20 ~ +60 | | | | |
| 08 | Storage Temp. | °C | -30 ~ +70 | | | | |
| 09 | Dimension | mm | Φ | 26.4 | Height | 17.6 | See attached drawing. |
| 10 | Weight | Gram | 17 | | | | |
| 11 | Terminal | | Two Wires | | | | See attached drawing. |

※Standard Conditions:

Temperature 15 ~ 35°C

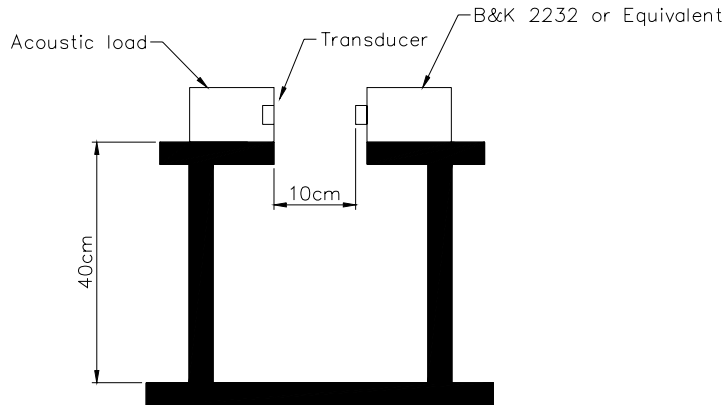
Humidity 25 ~ 80 %

Air pressure 860 ~ 1060 HPa.

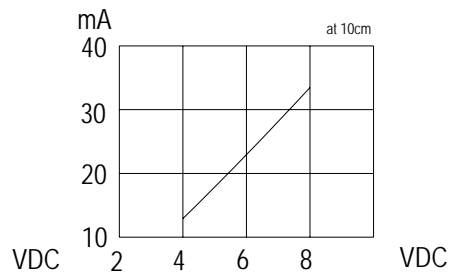
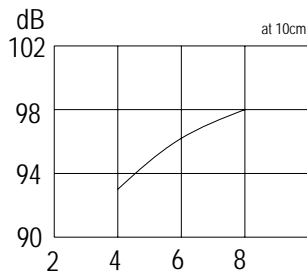
If the result is doubtful, should retested with the conditions below: Temp. 20±2°C, Humidity 60 ~ 70 %, Air pressure 860 ~ 1060 HPa.

※Note: As this product is not protected from foreign material entering, please make sure that any foreign materials(e.g. magnetic powder, washing solved, 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.

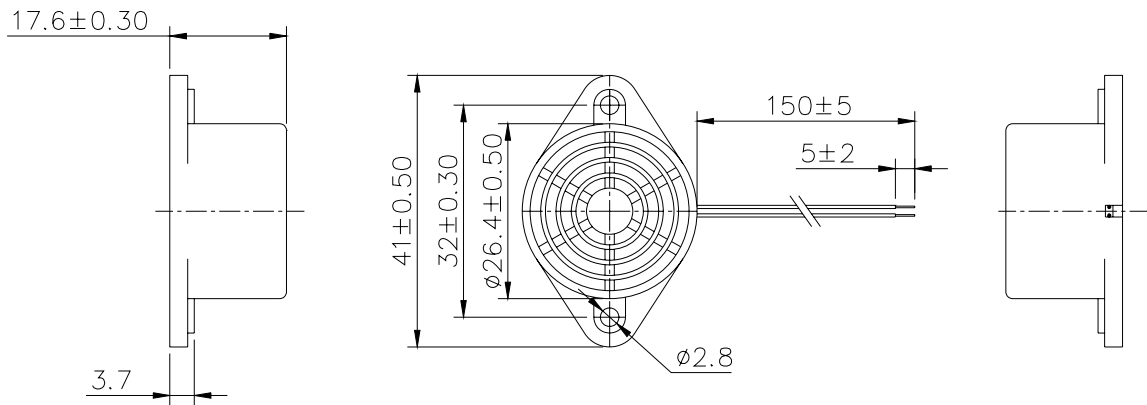
STANDARD TEST FIXTURE



Characteristic



| | | | |
|---------|---------------|----------|------|
| REV NO. | REVISION NOTE | APPROVAL | DATE |
|---------|---------------|----------|------|



NOTE:
LEAD WIRES SPEC.: UL1007 28AWG

| | | | | | |
|------------------------------------|---|----------------------|------------|--|---------------|
| TITLE: SOUND TRANSDUCER DIMENSIONS | | DRAWN: JOKEN | 01/02/2003 | SCALE: 2:1 | SHEET: 1 of 1 |
| PART NO. AB-26061-W | 1 | DESIGNED: R&D OF AAT | | UNITS: mm | |
| DWG NO. DTB-1010 | | CHECKED: | | TOLERANCE ± 0.5 | |
| REV | | APPROVAL: | | UNLESS OTHERWISE SPECIFIED: ONE PLACE DECIMAL ± *** TWO PLACE DECIMAL ± *** THREE PLACE DECIMAL ± *** | |
| | | MATERIAL: ABS | | | |



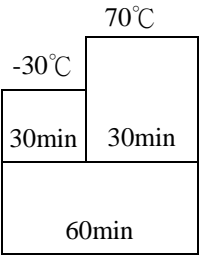
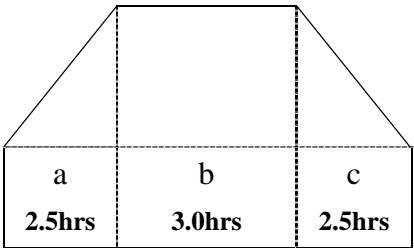
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RELIABILITY TEST

AB-26061-W

| Item | Test conditions | Evaluation standard |
|--|---|--|
| 01 High temp. Storage life | The part shall be capable of withstanding a storage Temperature of 70°C for 96 hours. | After the test the part shall meet specifications without Any degradation 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 -30°C for 96 hours. | |
| 03 Temp. cycle | The part shall be subjected 10 cycles. One cycle shall consist of; <div style="text-align: center;">  <p>The diagram shows a rectangular cycle with a total width of 60min. The top edge is divided into two segments of 30min each. The left segment is labeled -30°C and the right segment is labeled 70°C.</p> </div> | |
| 04 Temp./Humidity cycle | The part shall be subjected 10 cycles. One cycle shall be 8 hours and consist of; <div style="text-align: center;">  <p>The diagram shows a trapezoidal cycle. The bottom edge is divided into three segments: 'a' (2.5hrs), 'b' (3.0hrs), and 'c' (2.5hrs). The left and right sides are sloped, connecting 25°C at the bottom to 95°C at the top. The top edge is horizontal at 95°C. Below the diagram, it specifies: a,b:90~98%RH and c :80~98%RH.</p> </div> | |

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RELIABILITY TEST

AB-26061-W

| 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 82dB 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 | <ol style="list-style-type: none">1. Ordinary temperature The part shall be subjected to 1000 hours at room temperature ($25 \pm 10^{\circ}\text{C}$) with 6V 400Hz applied.2. High temperature The part shall be subjected to 500 hours at 60°C with 6V, 400Hz applied.3. Low temperature The part shall be subjected to 500 hours at -20°C with 6V, 400Hz applied. | |