

MESSRS.

SPECIFICATION FOR APPROVAL

承 認 書

| | |
|-------------------|---------------------------|
| Product | PIEZO BUZZER (SELF DRIVE) |
| Part No. | AZ-4229S-GJB |
| Customer Approval | |

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



ADVANCED ACOUSTIC TECHNOLOGY CORP.

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AZ-4229S-GJB

| Items | | Units | Specifications | Conditions |
|-------|-----------------------|------------|----------------|--------------|
| 01 | Rated Voltage | DC/AC | 110 | |
| 02 | Operating Voltage | DC/AC | 30~120 | |
| 03 | Rated Current | mA(Max) | 18 | At 110 DC/AC |
| 04 | Sound Output At 30 cm | dBA(Min) | 83 | At 110 DC/AC |
| 05 | Resonant Frequency | Hz | 2900±500 | |
| 06 | Tone Nature | Fast Pulse | | |
| 07 | Operating Temp. | °C | -20 ~ +60 | |
| 08 | Storage Temp. | °C | -30 ~ +70 | |
| 09 | Weight | g | 33.8 | |

Measurement Condition

Test and measurement will be carried out under normal condition of temperature

within 5°C to 35°C ,relative humidity within 45% to 85% and air pressure of 860mbar to 1060mbar.

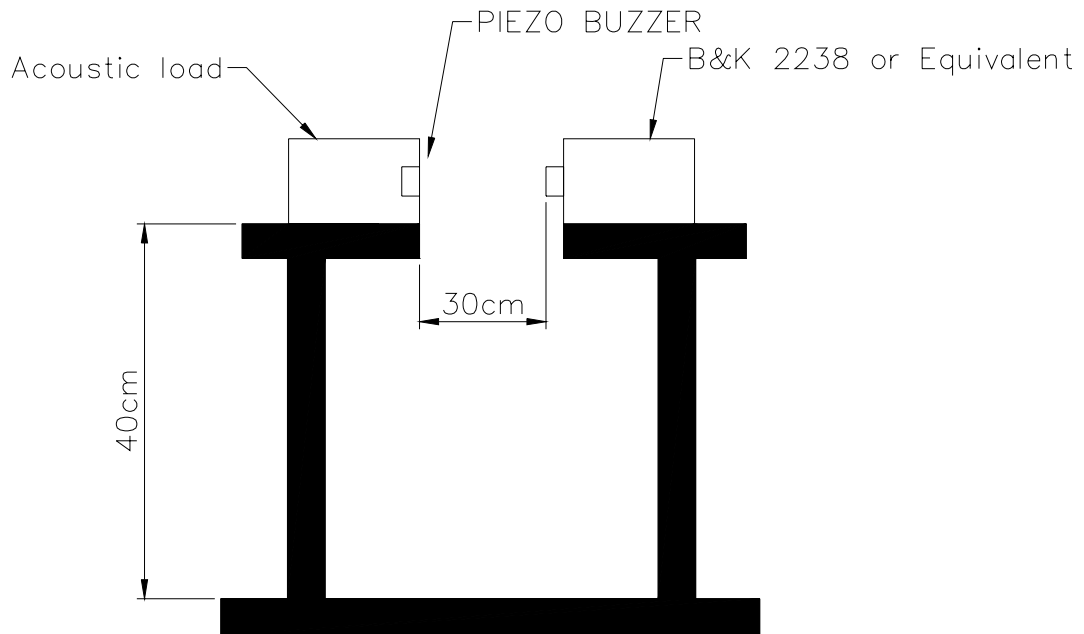
Should uncertainly arise in data obtained from the above atmosphere, control of temperature

At 20°C±2°C and relative humidity within 60% and 70%, with air pressure remaining unchanged,

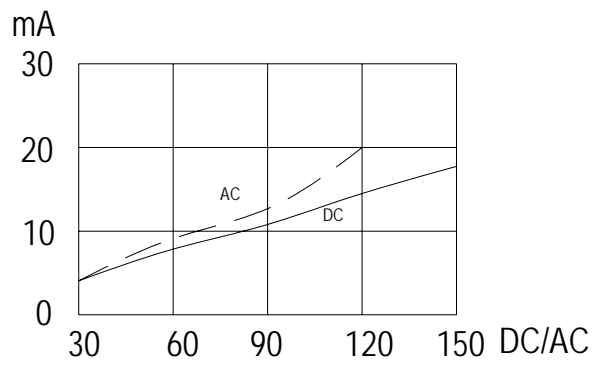
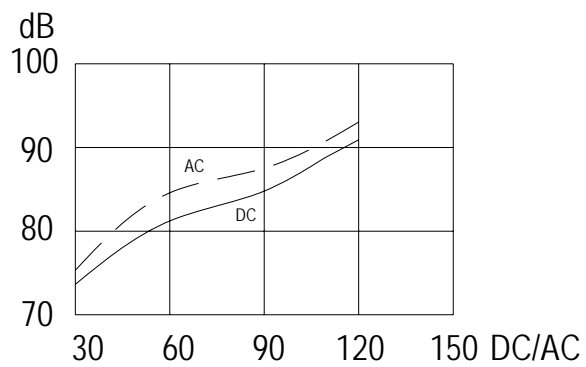
To be enforced.

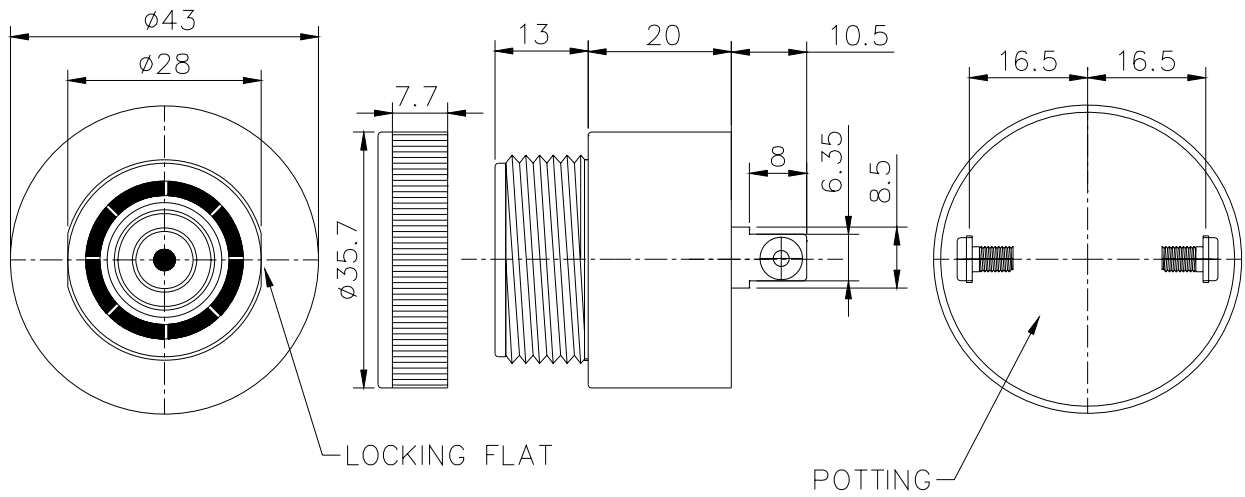
Value Applying Rated Voltage

STANDARD TEST FIXTURE



Characteristic





| | | | | |
|------------------------------|----------|-----------------------------------|-------------------------------|---------------|
| TITLE: <i>PIEZO BUZZER</i> | | DRAWN: <i>JG&N</i> 11/16/2001 | SCALE: 1:1 | SHEET: 1 of 1 |
| PART NO. <i>AZ-4229S-GJB</i> | 1 REV | DESIGNED: R & D OF AAT | UNITS: mm | |
| DWG NO. <i>DTP-1111</i> | | CHECKED: | TOLERANCE ± 0.5 mm | |
| | | APPROVAL: | UNLESS OTHERWISE SPECIFIED: | |
| | | MATERIAL: ***** | ONE PLACE DECIMAL \pm *** | |
| | | | TWO PLACE DECIMAL \pm *** | |
| | | | THREE PLACE DECIMAL \pm *** | |



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RELIABILITY TEST

AZ-4229S-GJB

| Item | | Conditions | Evaluation standard |
|------|-----------------------------|---|--|
| 01 | Low Temp. Storage Test | A°C±2°C ,240Hr | (S.P.L)Test before numerical ±10dB *wrong (Frequency)Test before numerical ±10% (Current)Test before numerical ±10% (No crake is allowed on the part surface after Free drop test) ● After the test ,the part shall meet the specifications without any degradation in appearance and performance |
| 02 | High Temp.Storage Test | B°C±2°C RH50% ,240Hr | |
| 03 | Temp./Humidity Storage Test | 40°C±2°C , RH90-95% 240Hr | |
| 04 | Thermal Shock Test | A°C±2°C (1Hr)→ ,20°C±2°C (1Hr) B°C±2°C (1Hr)→ ,20°C±2°C (1Hr)10 cycle | |
| 05 | Vibration Test | 10-55Hz/1min amplitude1.5mm,X,Y,Z,3 directions | |
| 06 | Mechanical Shock Test | +100G,Sine wave, XYZ , 3 impacts per axis | |
| 07 | Free Drop Test | The part shall be dropped freely from a height of 75 cm onto concrete 1 time in 2 axes (total 4 times) | |
| 08 | Life Burning Test | The part shall be subjected to 1000 hrs in the room temp with rated voltage applied | |
| 09 | Lead Wire / Pin Pull Test | The Part checking standard : Following supplier's Spec. Finished-part checking Standard vertical Pull i)100g MIN 0.05mm Thickness of ceramic ii)300g MIN 0.1mm ≤ Thickness of ceramic b: Horizontal Pull i)700g MIN | |

Remark : "A"means Storage low temp. "B"means Storage high temp