

MESSRS.

SPECIFICATION FOR APPROVAL

承 認 書

| | |
|-------------------|---------------------------|
| Product | PIEZO BUZZER(SELF DRIVER) |
| Part No. | AZ-4228S-W3S |
| Customer Approval | |

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



ADVANCED ACOUSTIC TECHNOLOGY CORP.

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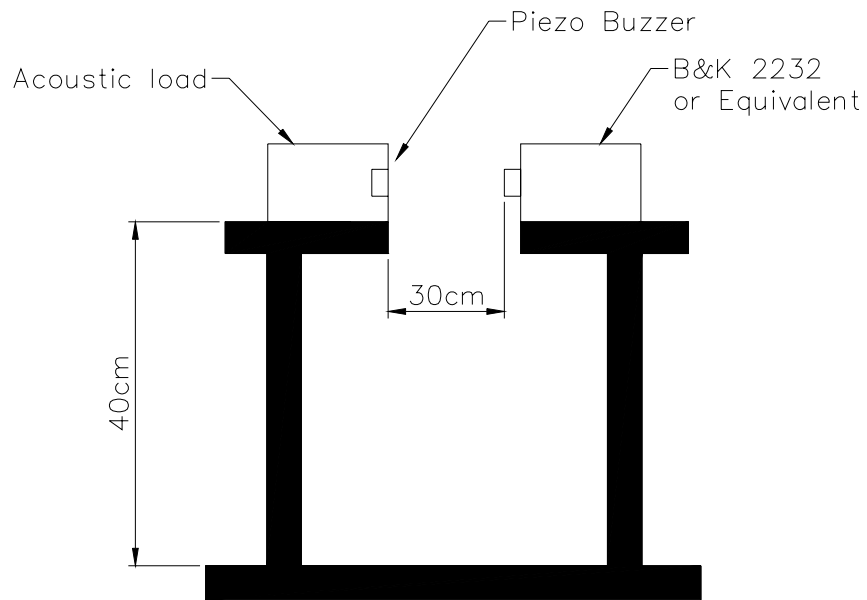
Fax: +886-2-88665250

<http://www.aatc.com.tw>

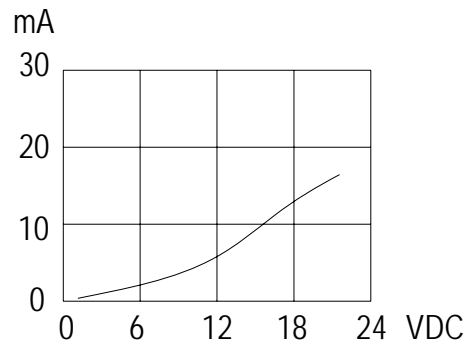
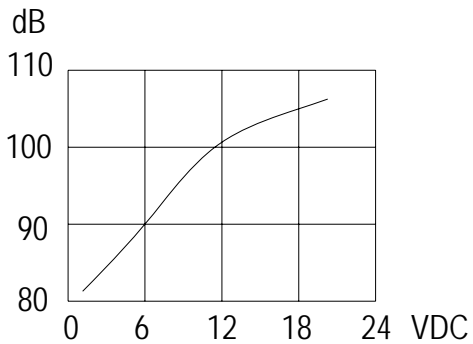
AZ-4228S-W3S

| Items | | Units | Specifications | Conditions |
|-------|---------------------|----------|----------------|-----------------|
| 01 | Rated Voltage | VDC | 12.0 | |
| 02 | Operating Voltage | VDC(Max) | 1.5~20 | |
| 03 | Rated Current (Max) | mA | 10 | At 12VDC |
| 04 | Min Sound Output | dBA | 96 | At 12VDC / 30cm |
| 05 | Resonant Frequency | Hz | 2800±500 | |
| 06 | Tone Nature | Single | | |
| 07 | Operating Temp. | °C | -20 ~ +60 | |
| 08 | Storage Temp. | °C | -20 ~ +70 | |
| 09 | Weight | g | 15 | |

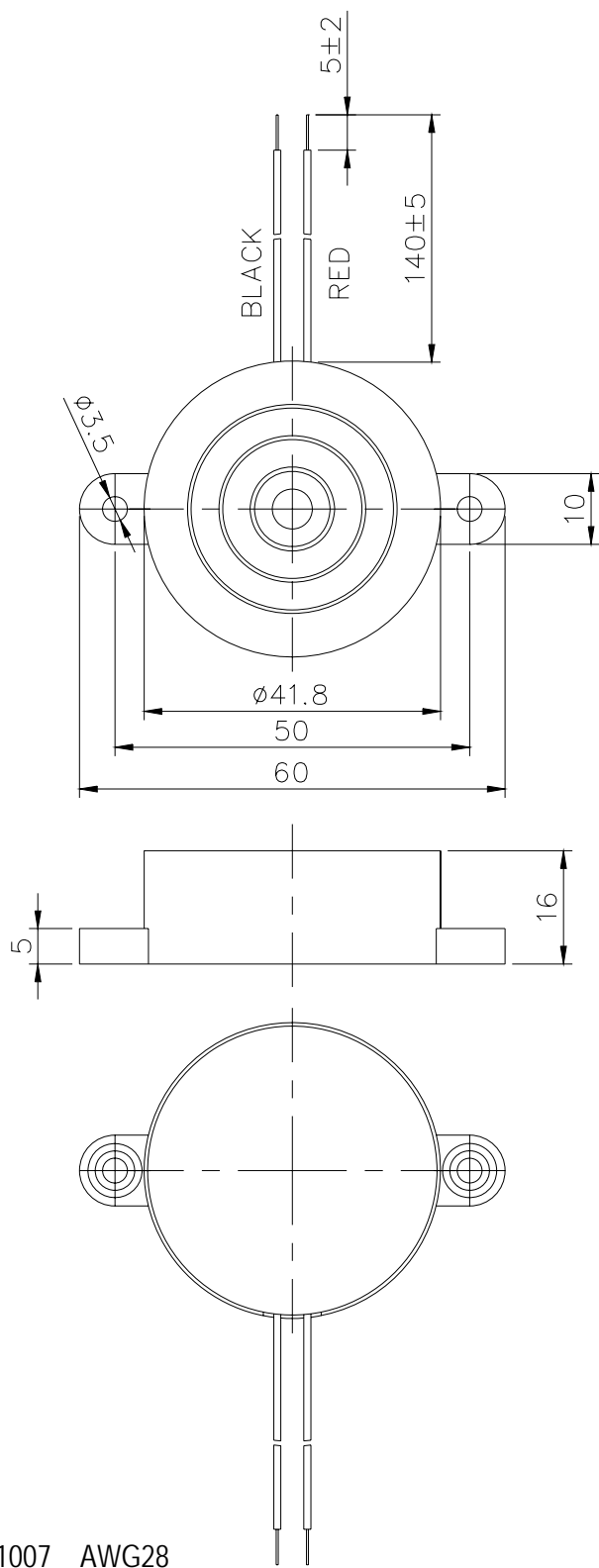
STANDARD TEST FIXTURE



Characteristic



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



NOTE:
LEAD WIRES SPEC. UL1007 AWG28

| | | | | | | | | | |
|----------|--------------|--|-----------|--------------|------------|-------------------------------|-----------|--------|-------|
| TITLE: | PIEZO BUZZER | | DRAWN: | Milton | 05/20/2002 | SCALE: | 1:1 | SHEET: | 1 : 1 |
| PART NO. | AZ-4228S-W3S | | DESIGNED: | R & D OF AAT | | UNITS: | mm | | |
| DWG NO. | DTP-1153 | | CHECKED: | | | TOLERANCE | ± 0.5 | | |
| | | | APPROVAL: | | | UNLESS OTHERWISE SPECIFIED: | | | |
| | | | MATERIAL: | ABS | | ONE PLACE DECIMAL \pm *** | | | |
| | | | | | | TWO PLACE DECIMAL \pm *** | | | |
| | | | | | | THREE PLACE DECIMAL \pm *** | | | |



苙翔科技股份有限公司
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RELIABILITY TEST

AZ-4228S-W3S

| 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