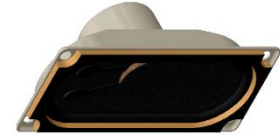




PUI audio



Data Sheet

AS07008PO-4-R

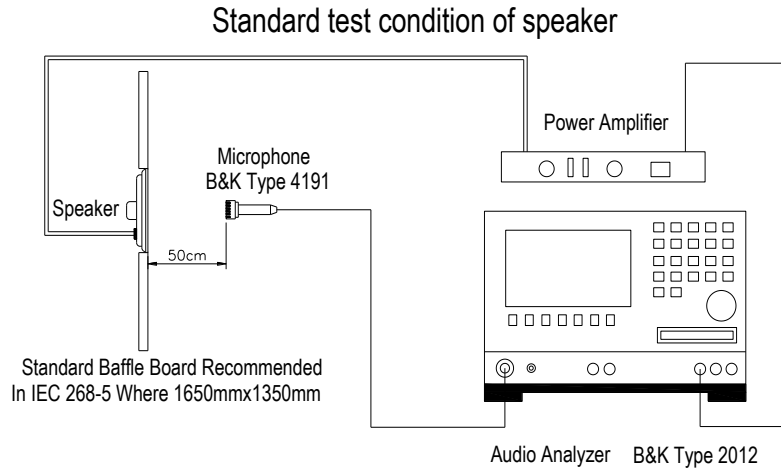
Features:

- 70mm x 30mm x 23mm oval shape
- 8 Ω impedance, 2W rated input power

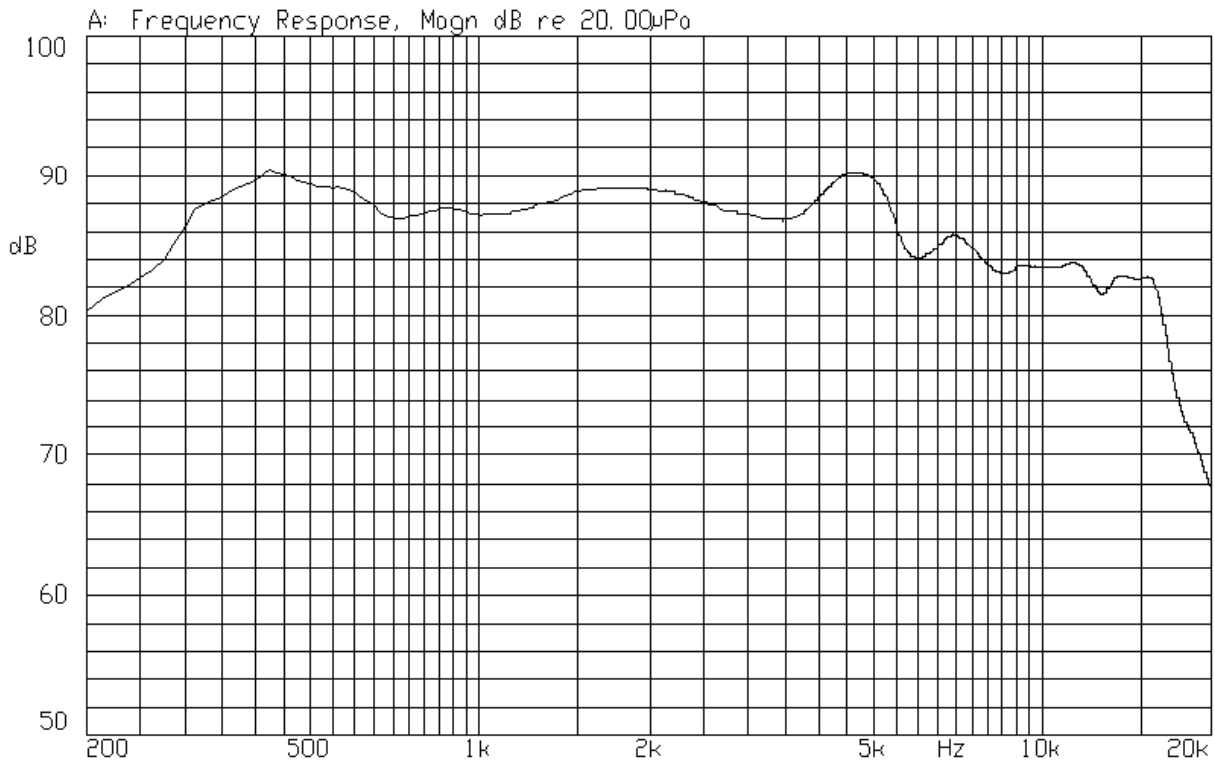
Specifications

| Parameters | Values | Units |
|------------------------------------------------------|----------------------------------------------------------------------------------|--------------|
| Rated Input Power | 2 | Watts |
| Max Input Power | 5 | Watts |
| Impedance | 8 \pm 15% | Ohms |
| Output SPL at 1W/50cm (At 0.8, 1.0, 1.2, 1.5 kHz) | 85 \pm 3 | dB |
| Resonant Frequency (Without Baffle) | 450 \pm 20% | Hz |
| Frequency Range | 200 ~ 20,000 | Hz |
| THD (2W, 1kHz input) | < 10% | - |
| Frame Material | Metal | - |
| Magnet Material | NdFeB | - |
| Diaphragm Material | Paper | - |
| Weight | 35 | Grams |
| Acceptable Soldering Methods | Hand Solder | - |
| Buzz, Rattle, etc. | Must be normal given sine wave between Fo ~ 20kHz at 4V | - |
| Polarity | Cone will move forward with positive (+) DC current applied to positive terminal | - |
| Operating Temperature | -30 ~ +60 | $^{\circ}$ C |
| Environmental Compliances | ROHS/REACH | - |

Measurement Method



Typical Frequency Response (Measured at 50cm, 1W)



03-MAR-2008 15:52:49

Mode: TSR

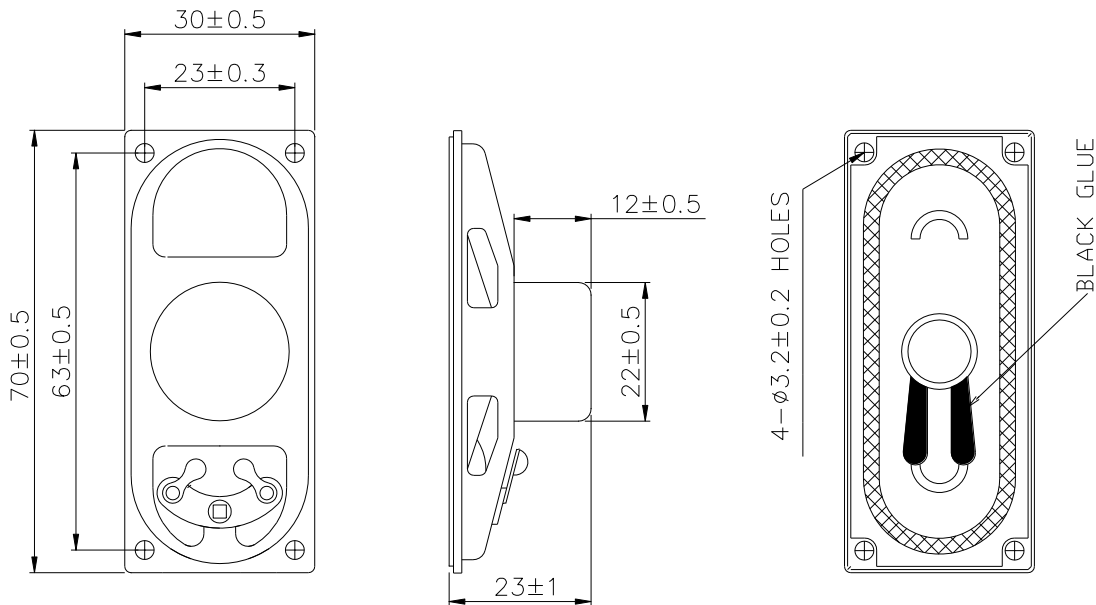


Reliability Testing

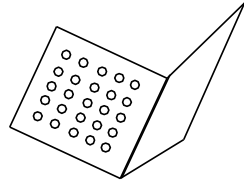
| Type of Test | Test Specifications |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------|
| High Temperature Test | 96 hours at +60°C ± 3°C then rest for 3hrs at normal temperature followed by retest. |
| Low Temperature Test | 96 hours at -30°C ± 3°C then rest for 3hrs at normal temperature followed by retest. |
| Thermal Cycle Test | Low temperature: -30°C±3°C, temperature:+60°C±3°C, cycle: 1 hour/cycle each, and then keep 96 hours. |
| Humidity Test | 96 hours at +40°C ± 3°C with relative humidity between 90~95% then rest for 3hrs at normal temperature followed by retest. |
| Vibration | 10~55~10Hz sin-wave sweep 15min. 5G(constant) X,Y, Z 3 direction. 2 hours each, total 6 hours. |
| Drop Test | Free drop a unit from 100cm height to a board of 20mm thick x,y, z 6 direction. 1 times each, total 6 times. |
| Load Test | White-noise source at 2.0 W applied for 96 hours |
| Max Power Test | Max power 1 min on – 2 min off 10 cycles. |

After any of the above tests, change of SPL shall be within ±3dB.

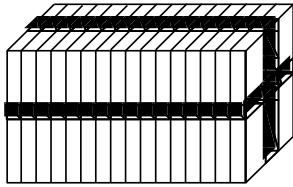
Dimensions



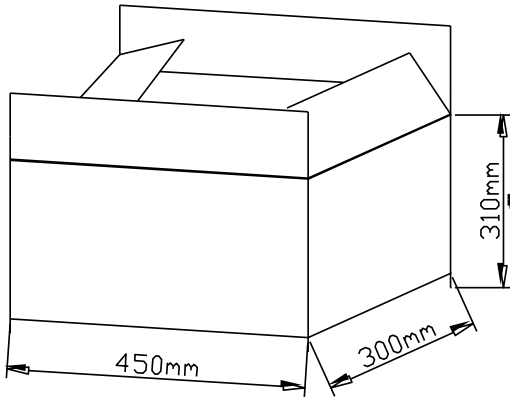
Packaging



插片: 591X290X ϕ 22
 每插片包装25PCS



每箱16插片: 25X16=400PCS
 每16插片用PVC打成捆

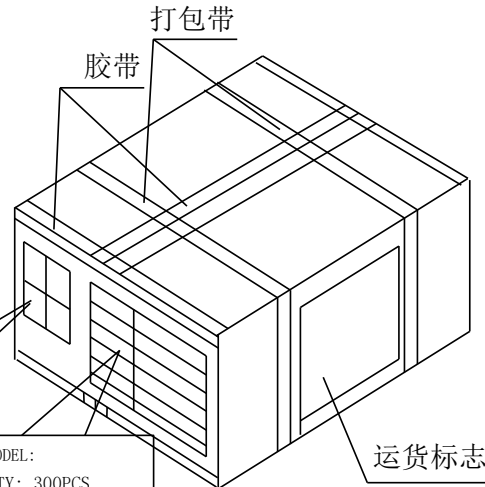


外箱: 450X300X310

每箱装1捆: 1X400PCS=400PCS



MODEL:
 QTY: 300PCS
 N. W:
 G. W:
 SIZE: 30*30*19.5
 LOT NO:



外箱用PVC胶带作包扎, 然后用包装带作平行包扎。
 一箱装好后, 根据要求填写内容。

Specifications Revisions

| Revision | Description | Date |
|----------|---------------------------|----------|
| A | RELEASED FROM ENGINEERING | 3/4/2022 |

Note:

- Unless otherwise specified:
 - All dimensions are in millimeters.
 - Default tolerances are $\pm 0.5\text{mm}$ and angles are $\pm 3^\circ$.
- Specifications subject to change or withdrawal without notice.