



# Product Specification

|               |                     |
|---------------|---------------------|
| Product Name: | High-Output Speaker |
| Part Number:  | W-36L1              |
| Version:      | 1.02                |
| Date:         | 2014-7-30           |
| Note:         |                     |

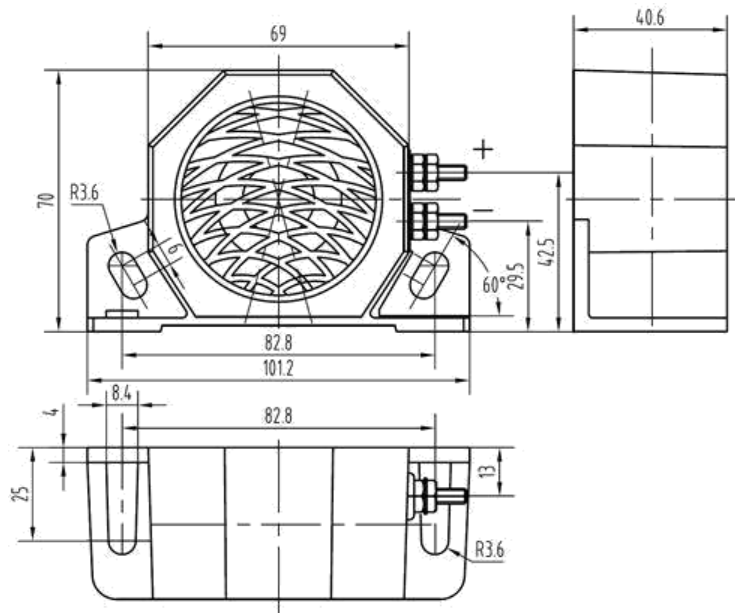
Company passed ISO 9001 / ISO TS16949 / ISO 14001 Certifications

## Revision History

| Rev. | Description  | Author/Date      | Checked By | Approver |
|------|--|------------------|------------|----------|
| 1.02 | Operating temperature change is to -40 °C ~ +85 °C | 汤礼东<br>2014-7-30 | 吴磊         | 王建成      |
| 1.01 | Change the product name                            | 汤礼东<br>2014-4-29 | 吴磊         | 王建成      |
| 1.0  | Released   | 汤礼东<br>2012-3-8  | 陈启旺        | 王建成      |

## 1. Part Number W-36L1

## 2. Dimension Drawing (Unit: mm)



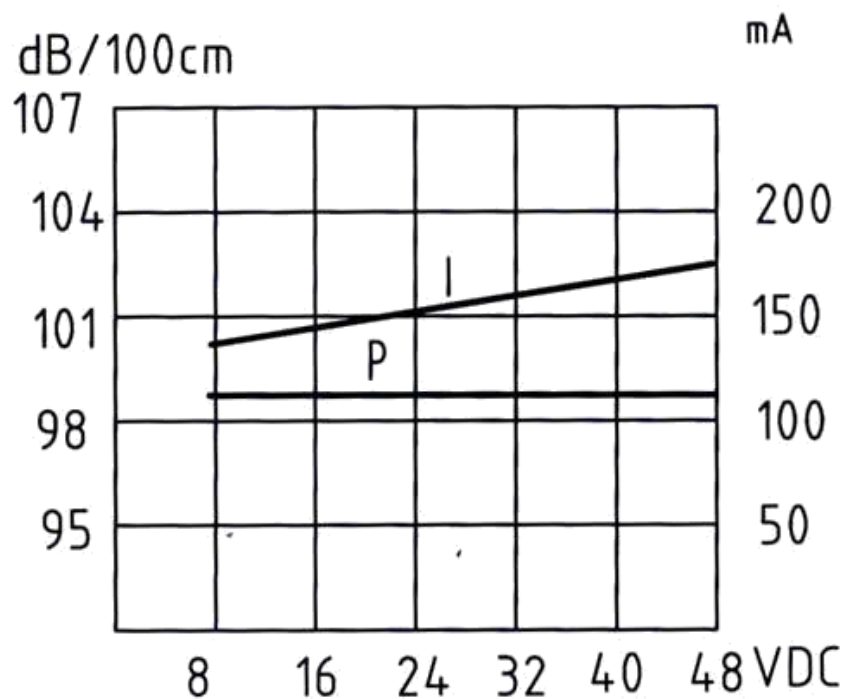
## 3. Specification

| No. | Item                      | Specification                 |
|-----|---------------------------|-------------------------------|
| 3-1 | Min. Sound Pressure Level | 93dB/14V <sub>DC</sub> /100cm |
| 3-2 | Rated Voltage             | 14V <sub>DC</sub>             |
| 3-3 | Operating Voltage         | 12~48V <sub>DC</sub>          |
| 3-4 | Max. Consumption          | 400mA/14V <sub>DC</sub>       |
| 3-5 | Oscillating Frequency     | 1200± 200Hz                   |
| 3-6 | Tone Nature               | Slow Pulse (1.2Hz± 20%)       |
| 3-7 | Operating Temperature     | -40~+85°C                     |
| 3-8 | Case Material/Color       | PA66/Black                    |
| 3-9 | Weight                    | 265g                          |

### NOTES:

Test should be made under the conditions of room temperature (20± 10°C), normal humidity (60± 20%) and normal atmospheric pressure. In this case, however, that the judgment is questionable, the test conditions are to be changed to room temperature 20± 2°C, relative humidity 60~70% and normal atmospheric pressure

#### 4. Typical Frequency Response Curve

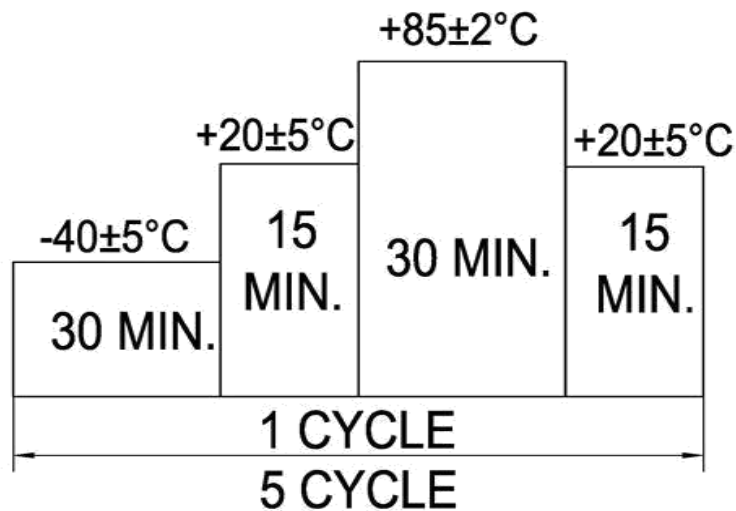


**Note:**Distance 100 cm

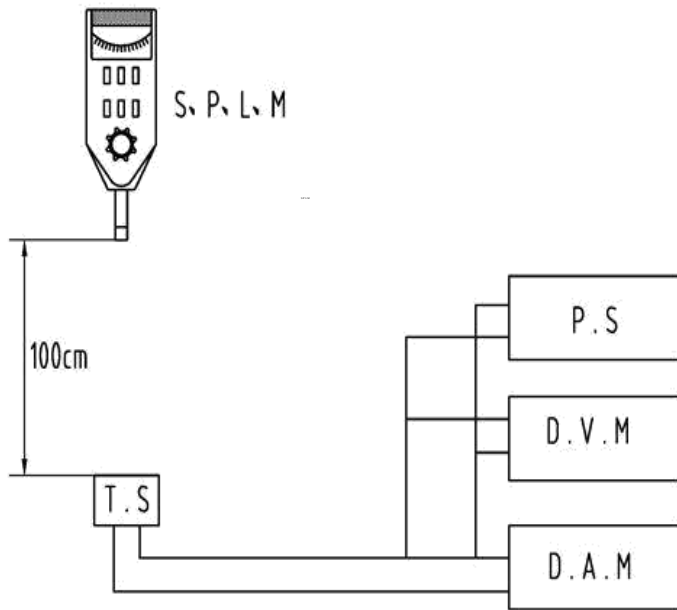
## 5. Reliability Test

| No. | Item                                  | Method of Test   | Tolerance after Testing  |
|-----|---------------------------------------|--|--|
| 5-1 | Operating Temperature                 | -40~+85°C  | Sound pressure level<br>initial value $\pm 10\text{dB}$<br><br>Max. consumption<br>value $\pm 20\%$<br><br>Oscillating Frequency<br>Value $\pm 20\%$ |
| 5-2 | Storage in high temperature           | Storage in +85°C test box 96 hours then exposed to the room temperature for 2 hours  |  |
| 5-3 | Storage in low temperature            | Storage in -40°C test box 96 hours then exposed to the room temperature for 2 hours  |  |
| 5-4 | Life test in the room temperature     | Operate the product continuously 5 seconds on 5 seconds off 96 hours at rated voltage  |  |
| 5-5 | Temperature / humidity cycle test     | Storage in +40°C, 93 $\pm$ 3%RH test box 96 hours then exposed to the room temperature for 2 hours   |  |
| 5-6 | Temperature (high and low) cycle test | Conduct the test for 5 cycles without applying power then expose to the room temperature for 2 hours.(See Figure 5-6)  |  |
| 5-7 | Vibration test                        | Conduct the test for the directions of X Y and Z for 0.5 hour each (total 1.5 hours). To-and Fri sweep time(from 10 to 55Hz and then 55 to 10) under single amplitude of 0.75mm is 3 minute, then expose to the room temperature for 2 hours |  |
| 5-8 | Drop test                             | Drop a product naturally from the height of 700mm onto the surface of 100mm thick wooden board. Two directions: upper and side of the product are to be applied for this drop test once respectively   |  |

Figure 5-6



## 6. Electrical Testing Method



|       |                  |
|-------|------------------|
| T.S   | Testing Sample   |
| P.S   | Power Supply     |
| D.V.M | DC Voltage Meter |
| D.A.M | DC Ampere Meter  |

## 7. Packing Information

**Packing: 36 pcs per export carton**

**Carton Size: 32× 25× 19 cm**

**G. Weight: 11.0 kgs N. Weight: 9.5 kgs**

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