



# **Product Specification**

Product Name: H	igh-Output Speaker
Part Number:	W-36LE
Version:	1. 01
Date:	2014-4-29
Note:	

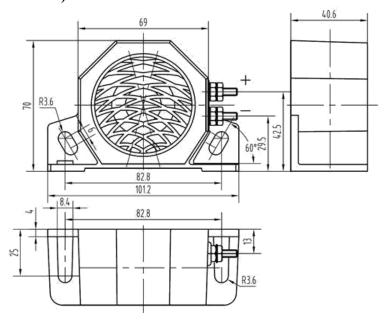
# Company passed ISO 9001 / ISO TS16949 / ISO 14001Certifications

## **Revision History**

Rev.	Description	Author/Date	Checked By	Approver
1.01	Change the product name	汤礼东 2014-4-29	吴磊	王建成
1.0	Released	陈启旺 2012-8-15	汤礼东	王建成

#### 1. Part Number W-36LE

### 2. Dimension Drawing (Unit: mm)



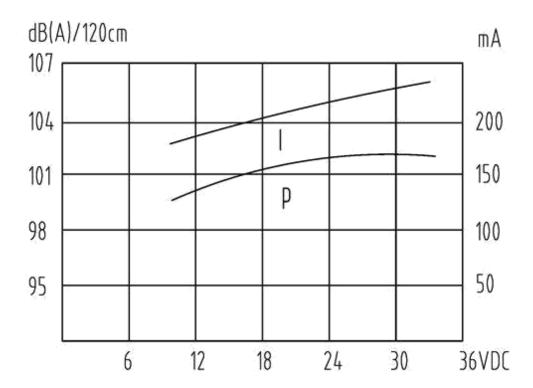
## 3. Specification

No.	Item	Specification
3-1	Min. Sound Pressure Level	82~102± 4dB/24V <sub>DC</sub> /120cm
3-2	Rated Voltage	24V <sub>DC</sub>
3-3	Operating Voltage	10~32V <sub>DC</sub>
3-4	Max. Consumption	800mA/14V <sub>DC</sub>
3-5	Oscillating Frequency	1.2± 0.5kHz
3-6	Tone Nature	Slow Pulse
3-7	Operating Temperature	-40~+85°C
3-8	Case Material/Color	PA66/Black
3-9	Weight	265g

#### **NOTES:**

- 1.Slow Pulse f=1.2Hz± 20%
- 2.Self-adjusting Volume
- 3.Test should be made under the conditions of room temperature ( $20\pm10^{\circ}$ C), normal humidity ( $60\pm20\%$ ) and normal atmospheric pressure. In this case, however, that the judgment is questionable, the test conditions are to be changed to room temperature  $20\pm2^{\circ}$ C, relative humidity  $60\sim70\%$  and normal atmospheric pressure

# **4.**Typical Frequency Response Curve

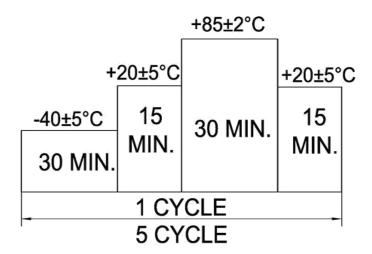


Note:Distance 120 cm

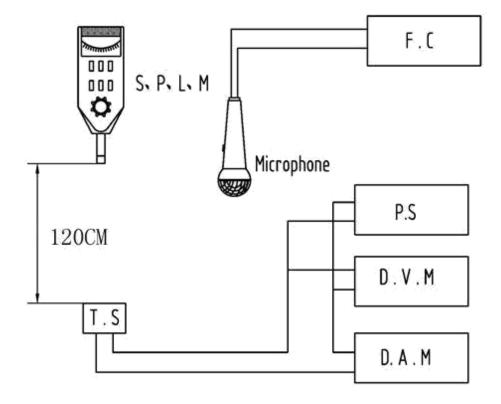
## 5. Reliability Test

No.	Item	Method of Test	Tolerance after Testing	
5-1	Operating Temperature	-40~+85°C	Sound pressure level	
5-2	Storage in high temperature	Storage in +85°C test box 96 hours then exposed to the room temperature for 2 hours	initial value ± 10dB  Max. consumption value ± 20%  Oscillating Frequency Value± 20%	
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± 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**



S.P.L.M	Sound Pressure Level Meter
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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