描述

　　WH-UVC001-VO是一款用于空气和液体抑菌的静态UVC LED抑菌模组。适用于带水箱、密闭的腔体结构。可安装于顶部、侧壁及底部，出光面符合IP65的防水要求，即使安装于水箱底部也不用担心漏水。

　　WH-UVC001-VO is a static UVC LED antibacterial module for air and liquid. It is suitable for a closed cavity structure with a water tank. It can be installed on the top, side walls and bottom, and the light-emitting surface meets the waterproof requirement of IP65. Even if it is installed at the bottom of the water tank, there is no need to worry about water leakage.

　　使用的UVC LED的波长范围为260-280nm，具有优良高效的杀菌消毒效果。表面采用的是UV高透石英玻璃和紫外反射罩，提高UVC的有效利用率，可以显著提升杀菌效果。

　　The WL range of the UVC LED is 260-280nm, which has excellent sterilization and disinfection effects. The surface is made of UV high-transmittance quartz glass and UV reflector, which improves the effective utilization of UVC and can significantly improve the sterilization effect.

　　所有材料符合RoHS和Reach的环保要求，所有涉水部件符合食品安全及水批要求。

　　All materials comply with RoHS and Reach environmental protection requirements, and all wading parts comply with food safety and water approval requirements.

特征Features

* 引用标准/Standard：QB/T 4827-2015

* 发光二极管/LED
  - UVC（260-280nm）

* UVC出光效率/UVC Light efficiency
  - 紫外高透石英及高反射率反光杯
  - UV high-transmittance quartz glass and UV reflector

* 涉水安全/Wading safety
  - 符合水批及食品卫生安全
  - Comply with food safety and water approval

* 环保/Environmental friendly
  - 符合RoHS及Reach
  - Comply with RoHS and Reach

应用Applications

* 净水机/Water Purifier

* 制冰机/Ice maker

* 空气加湿器/Air humidifier

* 空气净化器/Air purifier

* 香薰机/Aroma Diffuser

* 宠物饮水机/Pet water dispenser

* 洗碗机/ Dishwasher

内容**/Contents**

1. 参数/Characteristics

1) 产品参数/Product Parameters

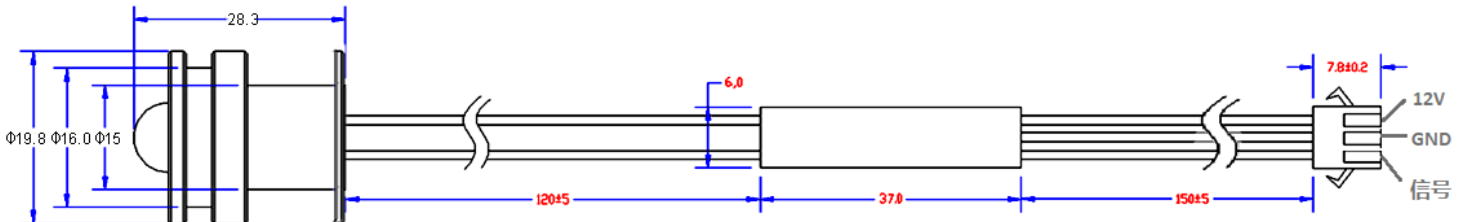| 项目/Items	规格/Specifications	备注/Remark
型号/Model	WH-UVC001-VO	
开孔尺寸/Size	∮19.8*24.3mm	圆孔/Hole
额定电压/Ratted Voltage	DC24V	可定制/Can be Customized
UVC辐射通量/UVC radiation flux	Avg：32mW	
UVC波长/UVC Wavelength	260-280nm	-
输入电流/Input Current	100mA	根据LED选型/By LED
输入功率/Input Current	0.6W	根据LED选型/By LED
防水等级/IP Class	IP65	出光面全防水/IP65
线材/Wire	300±10mm	线长可定制/Customized
端子/Terminal	白色/White	端子可定制//Customized
灯珠寿命/Lamp Life	10,000-15,000小时/Hours	根据LED选型/By LED
绝缘耐压/Insulation Voltage	DC500 V,1min@10mA,泄露电流/Leakage Current	
尺寸/Size	Φ19.8 x 28.3 mm	
净重/Net Weight	25±5g	
工作温度/Operating Temperature	-25℃-50℃	-
存储温度/Storage Temperature	-40℃-85℃	-

备注/Remarks:

- 峰值波长(λp)测量公差为±3nm。/ The peak wavelength (λp) measurement tolerance is ±3nm
- 辐射通量(Φe)测量公差±10%。/ Radiant flux (Φe) measurement tolerance ±10%
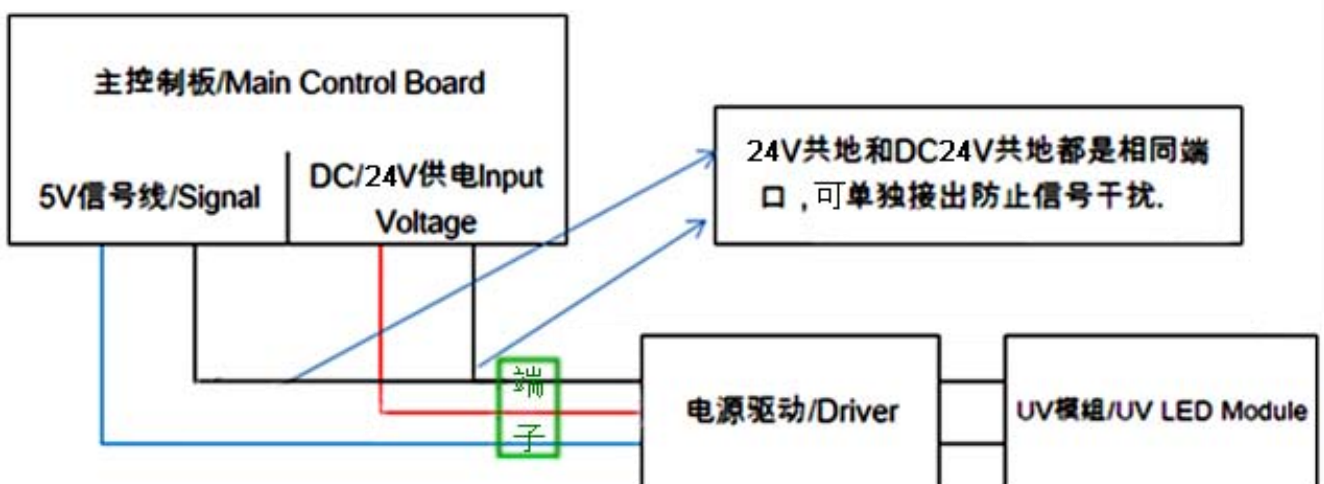- 正向电压(Vf)测量公差为±3%。/ The measurement tolerance of forward voltage (Vf) is ±3%.

静态杀菌模组

2. 外形尺寸/Dimensions

- 模块尺寸- φ19.8 x 28.3 (直径x高) / Module size-φ19.8 x 28.3 (diameter x height)

- 公差±1.0mm / Tolerance ±1.0mm

[单位/Unit：mm]

红+ 黑- 白色信号线

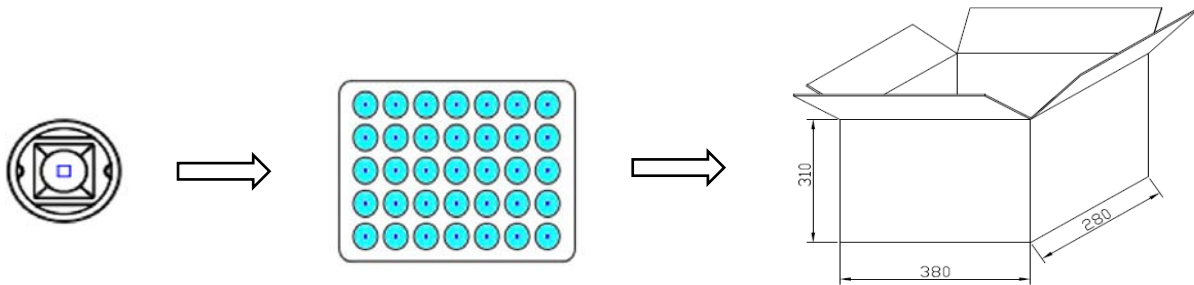## 3. 主控制板信号反馈/Main Control Board Signal

备注：1，高电平判定灯珠工作正常；
       2，低电平判定灯珠不工作，或者灯珠损坏；

4. 包装方式 （待定制，下图参考！）/Packing (Customized, refer to the picture below!)

单个净重
Weight：25g

一个吸塑盘装44个模组
44PCS/Tray

一箱装5层吸塑，共220个模组。
5 layers, total: 220 Modules
外箱尺寸Size：380x280x310mm
毛重Weight：6 kg

5. 使用警示说明/Use Warning

1）为避免能量衰减，保持正面玻璃清洁 / To avoid energy attenuation, keep the glass clean.

2）模组前建议不要有物体遮挡光线，会影响杀菌效果.

No objects block the light before the module, which will affect the sterilization effect.

3）请使用正确的输入电压驱动此模组，否则模组会损坏.

Please use the correct input voltage to drive this module, otherwise the module will be damaged.

4）模组背面已灌胶，可以防止水气侵袭，如未特殊定制，不能将模组背面浸泡于水中

The back of the module has been filled with glue to prevent moisture invasion. If it is not specially customized, the back of the module cannot be immersed in water.

5）请勿将模组正负极接反，否则可能损坏模组

Do not connect the positive and negative poles of the module reversely, otherwise the module may be damaged

6）人体安全 / Human body safety

暴露在紫外光下会对人的眼睛造成伤害/ Exposure to UVC light can cause damage to human eyes.

不要直接或间接地看紫外光/ Do not look at UVC light directly or indirectly.

如果不可避免地暴露在紫外线下，则应使用适当的保护装置，如护目镜和衣物来保护身体

If exposure to UVC light, use appropriate protective devices, such as goggles and clothing, to protect your body.

在使用UV LEDs的产品/系统上贴上下列警告标签。

Put the following warning labels on products/systems using UV LEDs.