

SPECIFICATIONS OF JS-M920

File NO. : JS-OP-RD-502Version : A/2Effective Date : 2022-02-10**RoHS Halogen Free**

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Features

- λ Adopt the international advanced sterilization technology of DUV LED
- λ Easy to install and easy to use
- λ RoHS compliant

Applications

- λ Applicable to small static water tank with capacity≤10L

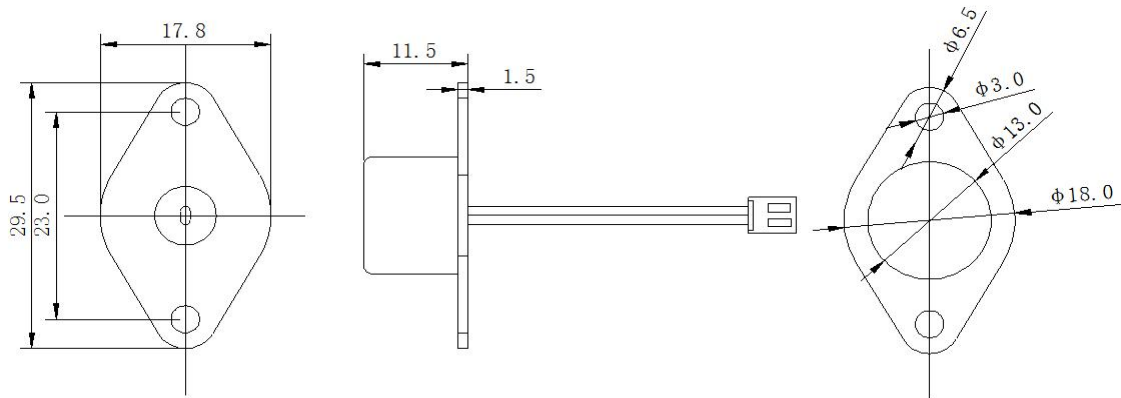
Performance Characteristics

Input Voltage	DC12V/DC24V
Input Power	No more than 0.5W
Output Radiant Power	3-5mW
Peak Wavelength	270-285nm
Life Test	≥10000h
Operating Temperature	-30~60℃
Storage Temperature	-30~100℃

Note:

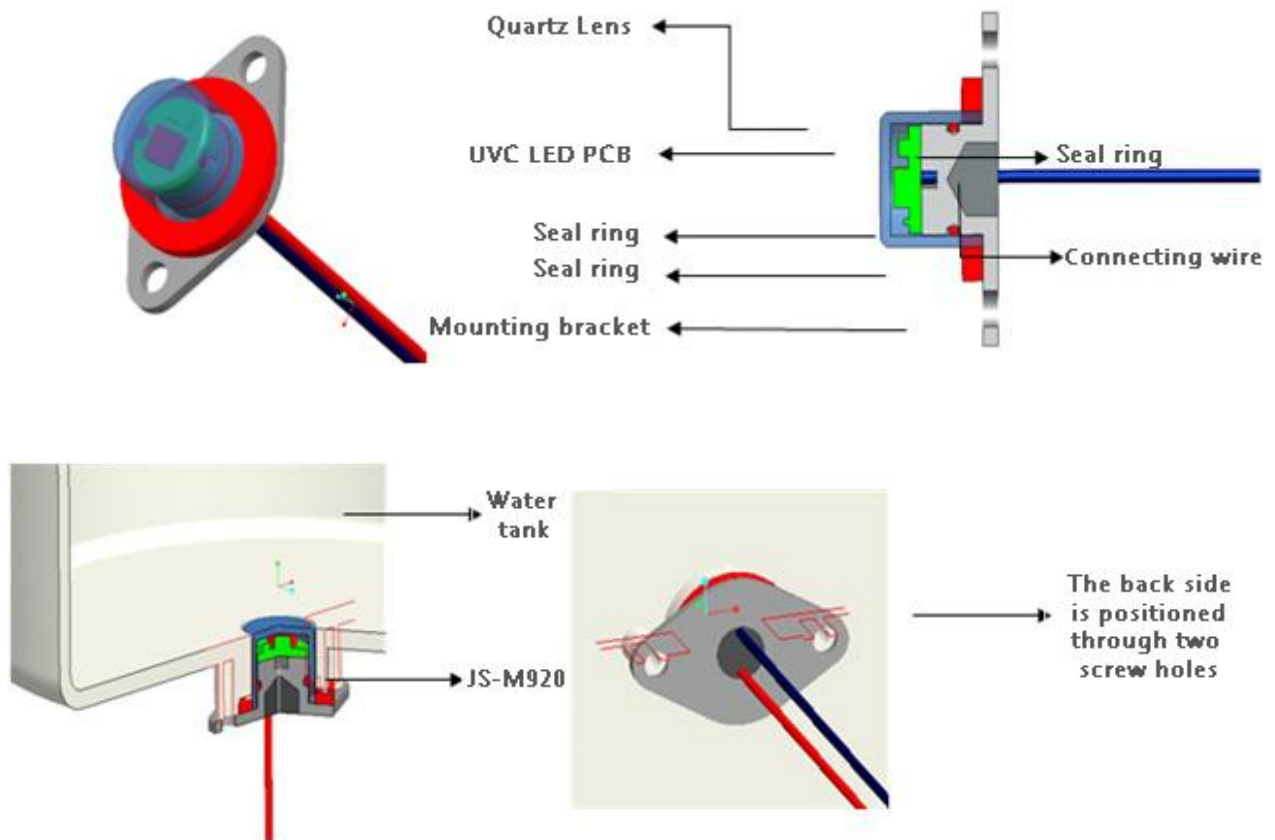
- 1) These values measured by the Jason optical spectrum analyzer
- And tolerances are followings as below.
- Forward Voltage(Vf1): ±0.2V
 - Output Radiant Power(Φ_e): ±10%
 - Peak Wavelength(WLP): ±3nm

Product Specification



Terminal type: XH2.54-2P

Installation mode



Test Item

Test	Test conditions
Tensile	The force of Terminal and connecting line \geq 10N 1min The force of solder joint and connecting line \geq 35N 10s
Insulation withstand voltage	AC1500V, 50HZ 1min
Life Test	\geq 80% LM @3000hrs
Low temperature storage	Tamb -30°C \pm 2°C 72hrs
High temperature storage	Tamb 50°C \pm 2°C 72hrs
Thermal Shock	Tamb -30°C to 85°C change rate35-40°C/min, cycle time 60 minutes
High temperature and humidity storage	Tamb 40°C/85%RH 168hrs
Vibration	4Hz(240CPM) 60min (ISTA-2001)
Drop	The corners, edges and faces fell freely from the 1-meter-high stage respectively
Salt spray	Tamb35°C, NACL concentration 5% , PH 6.5-7.2 48hrs; The flat plate specimen shall have a vertical orientation of 30 ° (GB/T2423.17)
Hazardous substance	Comply with EU RoHS directive requirements

Reference Standard

- λ GB/T191 Pictorial mark for packaging and storage (GB/191-2008, ISO780: 1997,MOD) .
- λ GB/T1019 General Rules for packaging of household and similar electrical appliances.
- λ GB/T2423.17 Environmental testing for electrical and electronic products-part 2: Test Methods, Test Ka: Salt Spray.
- λ GB/4706.1 Household and similar electrical appliances-safety-part 1: General Requirements.
- λ GB/5749 Hygienic Standard for drinking water.
- λ QB/4827 Ultraviolet sterilization units for domestic and similar drinking water treatment plants.
- λ GB/T2828.1 Technical Sampling Inspection procedures-part 1: batch-by-batch inspection sampling plans retrieved according to the acceptance Quality Limit (AQL) .

Packaging and transportation

Packing Diagram:



Cautions on Use

Storage of products

Air conditioning sterilization module recommended storage conditions: temperature-30°C-55°C, humidity 40%-65%. Please check whether the module is damaged by transportation after unpacking or before using. If yes, please stop using and inform Jason. This product can only be used under the condition of good appearance.

Access and installation

The distribution of current and voltage should be fully considered in the circuit design to avoid exceeding the absolute maximum rated parameters of the product. In order to ensure the best use effect, it is suggested to assign a resistor series connection to each product in the Matrix circuit

Important Safety tips

- λ Do not Look straight at the light when the LEDs are on
- λ Be careful not to damage your eyes when observe the LEDs with optical instruments.

