

PPM-JT2

(Tube Type)

Product Datasheet SPECIFICATIONS

UVC LED Purple Planet Mods



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1 Product Image



PPM-JT2(tube) UVC-LED Static Water Sterilization Module

2 Scope of Application:

This module features a bottom flange with two mounting holes and is suitable for static UVC-LED sterilization applications in air and liquid. Recommended cutout size: 17.5 ± 0.3 mm.

Widely used in water dispensers, ice makers, air humidifiers, air purifiers, aroma diffusers, pet water fountains, dishwashers, and other products.

3 Applicable Standards: GB/T 4827-2015

Water Safety – Compliant with Drinking Water and Food Hygiene Safety Requirement.

4 Product Specifications:

- ConstantVoltageDrive:DC12V/24V
- W24AWG, UL2468, Red/Black Wire, Quartz Tube Length:
140mm, Exposed Wire Length: 520±10mm (Excl. Connector)
- Terminal Specification: XHB-2PIN, Red
- Waterproof Rating: Front Side (Quartz Window): IP68
- Operating Temperature: -25~40°C

5 Product Performance:

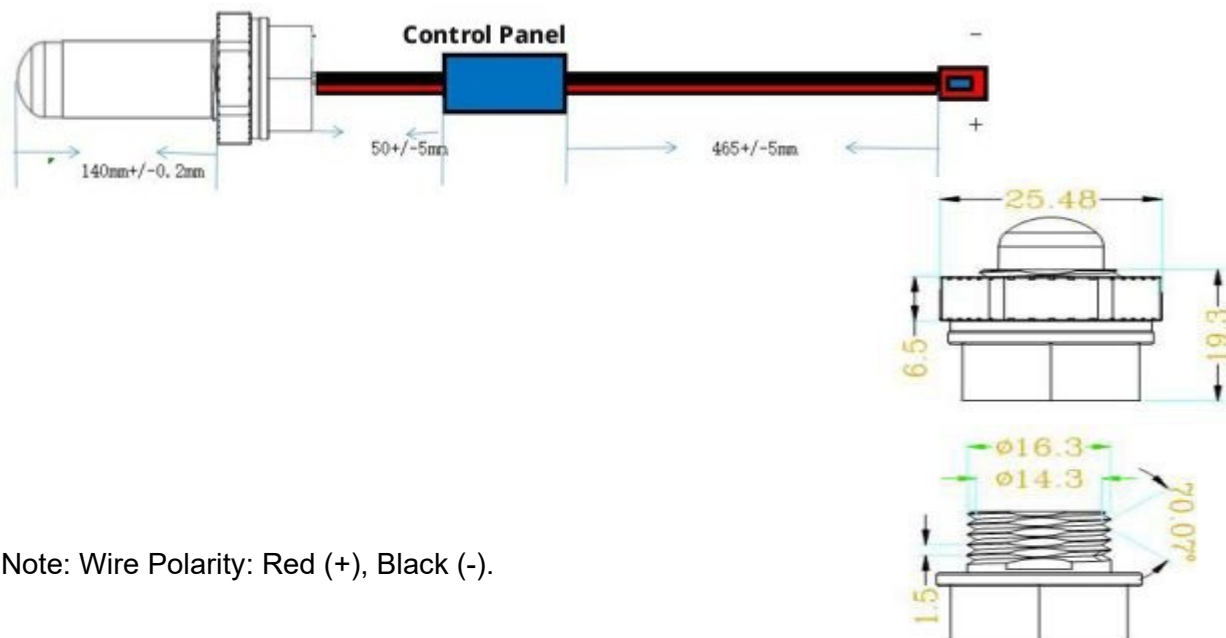
Model	Input Voltage	Operating Current	LED Optical Power	Beam Angle
PPM-JT12(tube)	DC12V/24V	40mA	6-8mW	120°

Insulation Withstand Voltage: DC500V+2Vin / 1 min

6 Test Method:

- UV Power Test: Measure the UV power output of the module using an integrating sphere. The output shall meet the specified value.
- UV Wavelength Range Test : 270~280 nm
- Insulation Withstand Test: Apply AC 1500V, 50Hz between live parts and housing for 1 minute. No breakdown shall occur.
- High and Low Temperature Test: The product shall operate reliably at -25~60°C and be stored reliably at -40~85°C.

7 Dimensions



Note: Wire Polarity: Red (+), Black (-).

8 Important Safety Instructions

- This product emits deep UV light when powered on. Exposure to UV light may cause skin and eye damage. Avoid direct exposure without proper protection.
- Never look directly at the emitted deep UV light with bare eyes.

