

**Deep UV led finished product  
specification**

**Deep UV LED SPECIFICATIONS**

**j275s35c-24v-static water  
antibacterial module-  
additional**

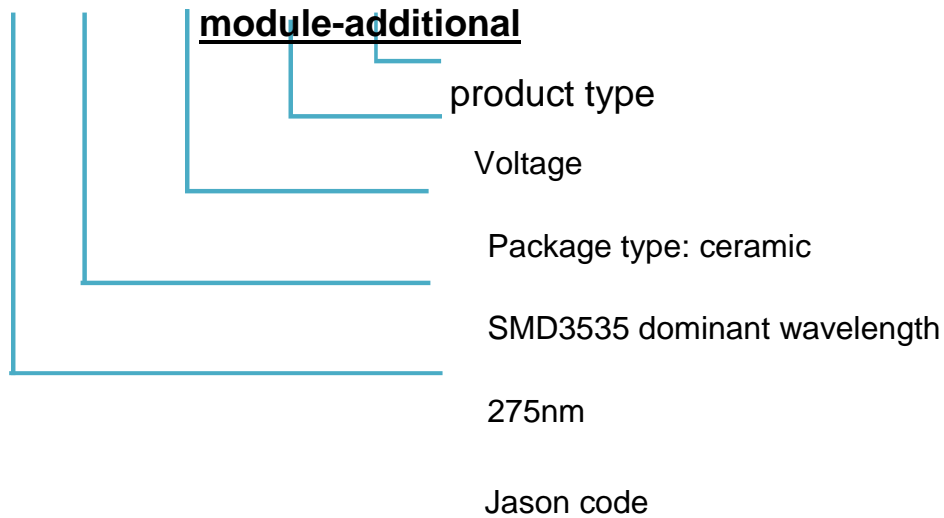


**Version: v01**

# j275s35c-24v-static water

## 1.Product naming rules

### J 275 s35c- 24v-Static water antibacterial



For example: j275s35c-24v-static water antibacterial module-additional

Product wavelength:

275nm Package type:

Ceramic SMD3535 Voltage:

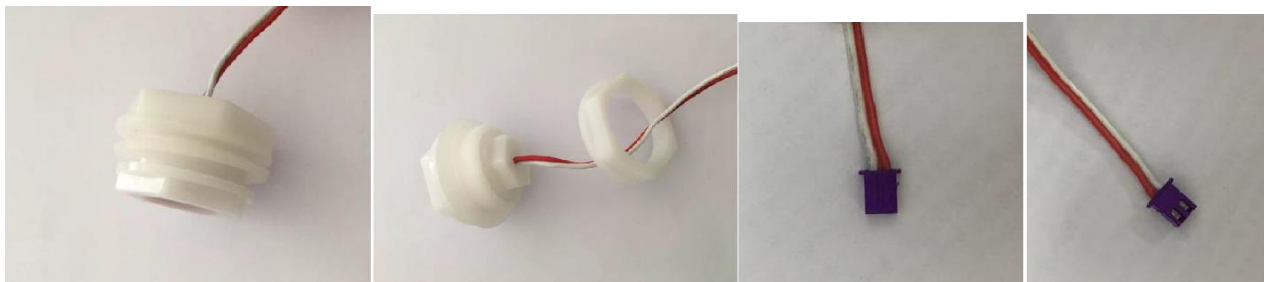
24V, customizable 12V

Product type: Static

water antibacterial

module

Additional: red and white wire, cable length 480mm, terminal purple 2P2.54 terminal see picture, can be customized according to customer



# j275s35c-24v-static water

## Product size

序号	物料编号	部件名称	图示	数量	表面处理及 (颜色)	材质
1	70100001	模块主体		1	原色	POM
2	70100002	固定螺母		1	原色	POM
3	70100003	压紧螺柱		1	原色	POM
4	70100004	垫圈		1	原色	POM
5	70100005	硅胶垫		1	白色	硅胶
6	70100006	石英玻璃片		1	透明	石英
7	70100007	O型圈		1	橘红色	硅胶

### 3. Conditions of use and preservation methods

project	unit	range
Operation	℃	-30~60
Storage Temperature	℃	-30~100
Operation/Storage	%	0~65

## j275s35c-24v-static water

### 4. Photoelectric parameters (ta = 25 °C)

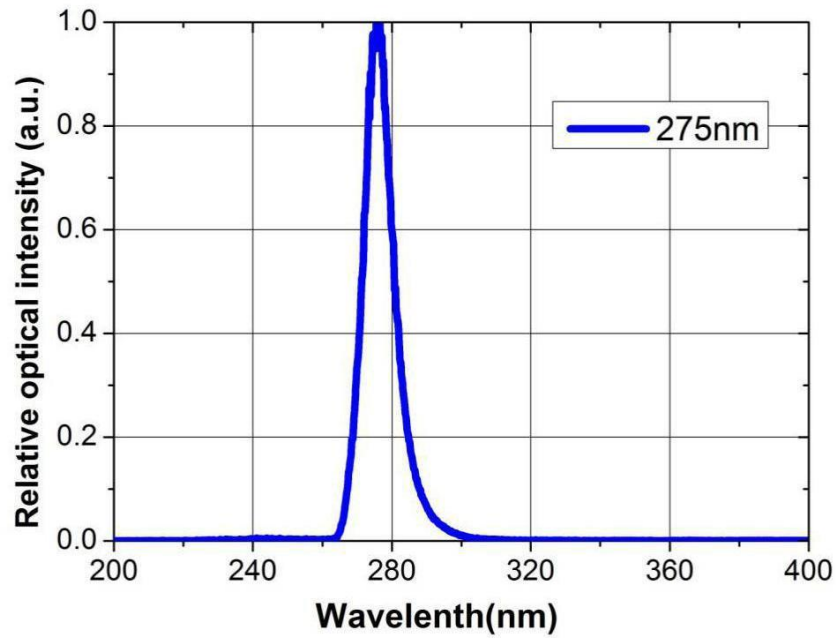
parameter	unit	condit	MIN	TYP	MAX
Forward voltage (vf)	V			24	
Output power (Pout)	mW		2	2.5	3
Peak wavelength	nm		270	275	285
Half wave width ( $\Delta \lambda$ )	nm		8	10	12
Light emitting	deg			120°	
ESD(H.B.M)	V		4000V		

#### note:

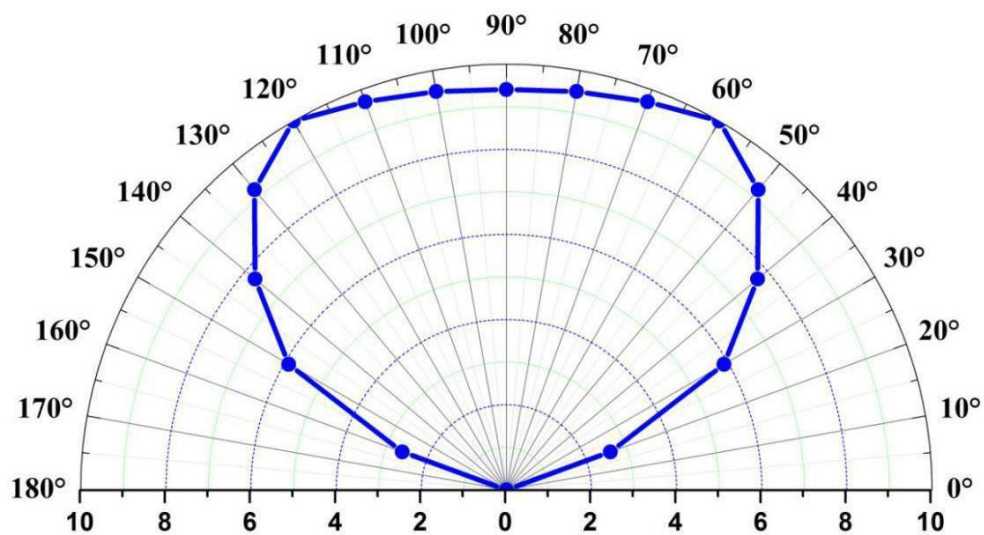
- 1) The measurement tolerance of the output optical power is  $\pm 10\%$ .
- 2) The measurement tolerance of the voltage is  $\pm 0.1$  v.
- 3) The measurement tolerance of the dominant wavelength is  $\pm 1$ nm.

# j275s35c-24v-static water antibacterial module-

## Relative spectral distribution



## 6. Typical light distribution curve



Light distribution curve 120 ° (for reference only)

## **j275s35c-24v-static water antibacterial module-**

- 1) Storage conditions of static water bacteriostasis module: temperature 10 °C ~ 55 °C, humidity 30% ~ 65%, sealed in a bag.
- 2) Handling method: Wear gloves or finger covers when contacting the module for inspection, and the work surface must be grounded. It is best to seal the bag after opening to prevent the pins from oxidizing. After opening the package, the operator should hold both sides of the module. Avoid touching the glass directly with your hands.
- 3) Installation:
  - a. Check whether the ground wire of the machine is normal before production.
  - b. The opening position should match the size of the model, and the opening diameter is 27.5-28mm.
  - c. It is best to ask the operator to wear electrostatic gloves or finger gloves during installation.
  - d. When the silicone pad is inside, don't forget to put the silicone pad, which will cause water leakage. Tighten the tightening nut to prevent water leakage if it is not tightened.
  - e. Prevent contamination of the glass surface.
- 4) Core components: As the current increases and the temperature rises, the service life of the LED will decrease in a certain curve, resulting in accelerated LED attenuation. Pay attention to the working time setting and heat dissipation requirements when using it.
- 5) Core components: Pay special attention to the use environment of the LED: the temperature is between -30 °C ~ 55 °C, and the humidity is between 30% ~ 65%, otherwise there will be static breakdown and high current breakdown leading to dead lights.
- 6) The photoelectric performance level of the product is determined by our company. The photoelectric performance of different levels of products is different. Customers are required to decide the use method according to their own conditions.
- 7) **We are constantly working to improve the performance of led products, specifications are subject to change without notice.**

# j275s35c-24v-static water antibacterial module-

## 8. Appearance and quality inspection standards

检验项目		标准依据水箱式深紫外线灭菌器规格书	检测方法/仪器	抽样水平
模块外观	模块组件	POM表面光滑，无沙粒、缩水、脏污、披锋、裂痕等注塑缺陷；螺纹合缝不明显，与配套螺母啮合良好；硅胶密封圈无明显老化、粗糙、注胶飞边等缺陷。	目检	100%检验
	LED灯板+驱动	铝基板+玻纤板无氧化、无污染；器件焊点饱满、无虚焊、漏焊、短路；三防漆覆盖均匀。	目检	100%检验
	石英片	规格参数见生产任务单；表面无裂纹，污渍，手印	数显卡尺	100%检验
	连线长度测量	公差 $\pm 10\text{mm}$	直尺	一般检验水平 II AQL0.65
拉力测试	焊点拉拔力	$\geq 2.0\text{Kgf}$	推拉力计	一般检验水平 II AQL0.65
	端子拔插力	$\geq 6.0\text{Kgf}$	推拉力计	一般检验水平 II AQL0.65
LED光电检测	峰值波长 $\lambda_p$	270nm~285nm	200-400nm积分球测试系统	一般检验水平 II AQL0.65
	输出功率 $P_{out}$	功率档见生产任务单		
	半波宽 $\Delta\lambda$	8nm ~ 12nm		
	电路集成	DC12V ~ 24V 内置40mA恒流		
模块成品测试	LED点亮	持续5S点亮，光源稳定无闪烁或慢启	恒流稳压电源	100%测试



# j275s35c-24v-static water

## 9, rohs certification



验证报告 No. TSNEC1602084101 日期: 2016年12月16日 第1页,共15页

青岛杰生电气有限公司  
中国青岛市崂山区株洲路177号惠特工业城5号楼二楼

样品名称: 水箱(浸入)式深紫外LED灭菌器  
SGS工作编号: TP16-00925-TJ  
测试基本型号: 红黑线  
测试扩展型号: 红白线  
样品接收日期: 2016年11月22日  
验证周期: 2016年11月22日-2016年12月15日  
验证要求: 参考欧盟RoHS指令2011/65/EU的修正指令2015/863/EU。  
验证方法: 请参见后续页。  
验证结果: 请参见后续页。  
验证结论: 依据对所提供样品的测试验证,铅、镉、汞、六价铬、多溴联苯(PBBs)、多溴二苯醚(PBDEs)的测试结果不超过欧盟RoHS指令2011/65/EU附录3修正指令2015/863/EU的限制要求。  
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李忠号

Jason Li李忠号  
批准签署人

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样品编号	样品描述	牌单编号	所用物质	EDXRF测试结果(1)	化学测试结果(2)(mg/kg)	EU RoHS结论	样品提交/再次提交日期
1	白色塑料		Pb Cd Hg Cr(VI)* PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	符合 符合 符合 符合 符合 符合	22 Nov 2016
2	半透明橡胶		Pb Cd Hg Cr(VI)* PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	符合 符合 符合 符合 符合 符合	22 Nov 2016
3	白色塑料		Pb Cd Hg Cr(VI)* PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	符合 符合 符合 符合 符合 符合	22 Nov 2016
4	透明塑料		Pb Cd Hg Cr(VI)* PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	符合 符合 符合 符合 符合 符合	22 Nov 2016



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5	白色塑料		Pb Cd Hg Cr(VI)* PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	符合 符合 符合 符合 符合 符合	22 Nov 2016
6	棕色橡胶		Pb Cd Hg Cr(VI)* PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	符合 符合 符合 符合 符合 符合	22 Nov 2016
7	-S 银色金属焊锡		Pb Cd Hg Cr(VI)* PBBs PBDEs	BL BL BL BL ---	--- --- --- --- ---	符合 符合 符合 符合 ---	22 Nov 2016 07 Dec 2016
8	PCB上的白色LED		Pb Cd Hg Cr(VI)* PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	符合 符合 符合 符合 符合 符合	22 Nov 2016



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样品编号	样品描述	牌单编号	所用物质	EDXRF测试结果(1)	化学测试结果(2)(mg/kg)	EU RoHS结论	样品提交/再次提交日期
9	白色/棕色PCB		Pb Cd Hg Cr(VI)* PBBs PBDEs	IN BL BL BL IN IN	263 --- --- --- ND ND	符合 符合 符合 符合 符合 符合	22 Nov 2016
10	银色金属线芯		Pb Cd Hg Cr(VI)* PBBs PBDEs	BL BL BL BL ---	--- --- --- --- ---	符合 符合 符合 符合 ---	22 Nov 2016
11	-S PCB上的黑色三层管		Pb Cd Hg Cr(VI)* PBBs PBDEs	BL BL BL BL IN IN	--- --- --- --- ND ND	符合 符合 符合 符合 符合 符合	22 Nov 2016 08 Dec 2016
12	白色塑料		Pb Cd Hg Cr(VI)* PBBs PBDEs	BL BL BL BL BL BL	--- --- --- --- --- ---	符合 符合 符合 符合 符合 符合	22 Nov 2016



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## j275s35c-24v-static water

\*\* Important safety note: This product is a deep ultraviolet led, which will generate deep ultraviolet rays after the correct operation and power-on, which are harmful to human skin and eyes. Avoid direct exposure to deep ultraviolet rays without protective measures.

It is strictly forbidden to directly contact ultraviolet rays without protective measures, and it is strictly forbidden to look directly at ultraviolet rays without wearing protective glasses.

***It is recommended to wear protective clothing, protective gloves and protective glasses during operation.***

