XL-C2720SURC-A2 [redacted] **Technical Data Sheet**

2720 红光（614-618） 车用 1W 贴片式发光二极管

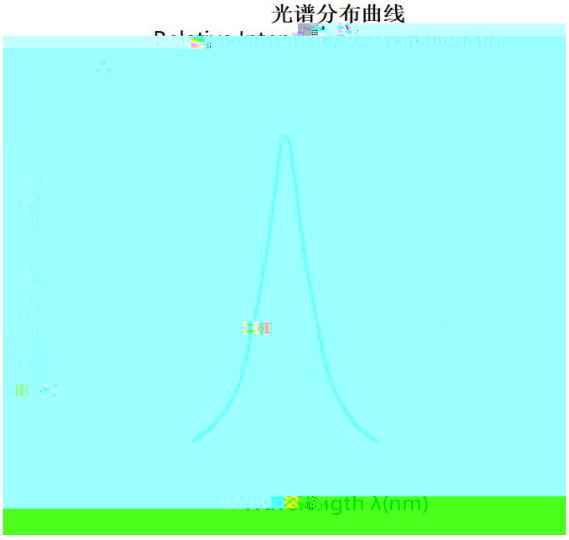
特点（Characteristics）：

[redacted]Product application）：

典型特性曲线

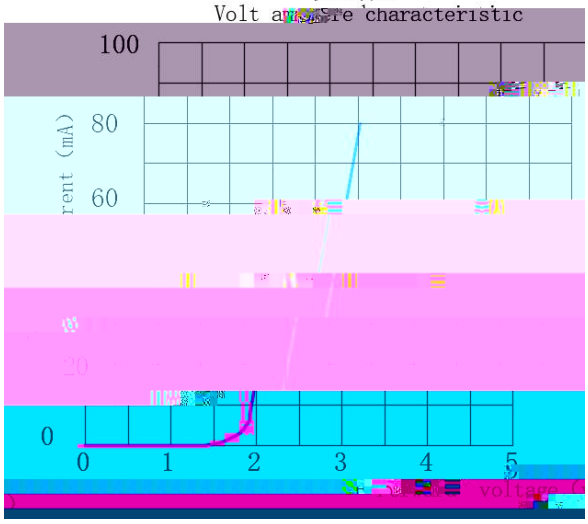
Typical Characteristics Curves

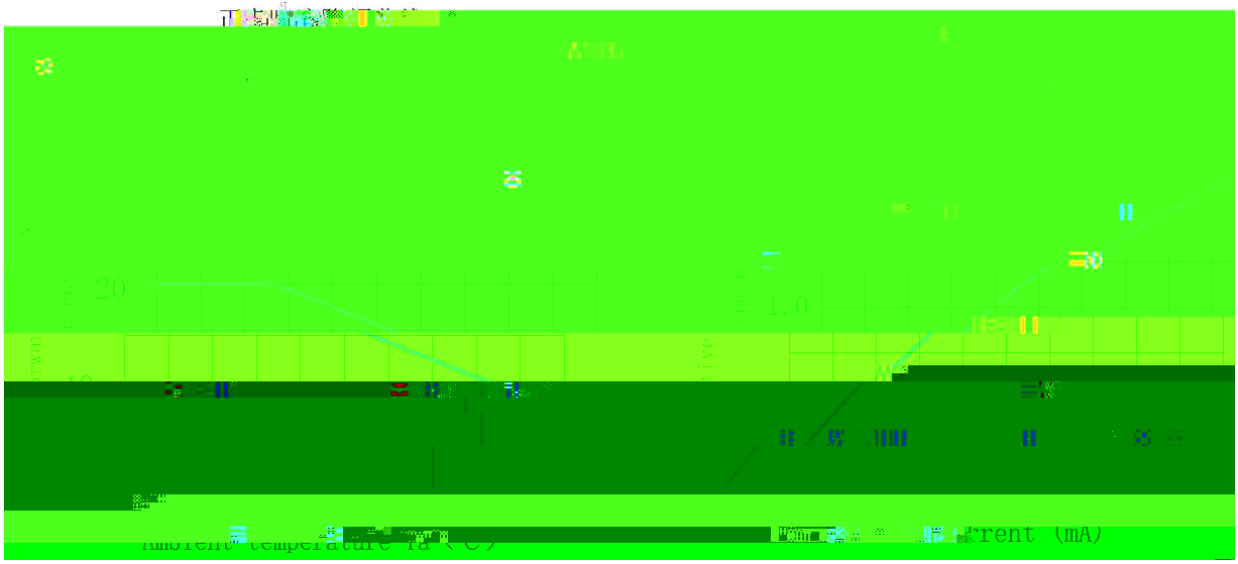
光谱分布曲线



伏安特性

Volt ampere characteristic





光强与环境温度曲线

Luminous Intensity VS Ambient Temperature

相对辐射强度与空间角度关系

Radiation diagram

25 ± 5 /Note If not otherwise indicated the test environment temp erature is 25 ± 5

可靠性试验

Reliability Test Items And Conditions

Class	Test item	Testing environment	Testing time	Reference standard
	Working life	300mA Continuous lighting at the maximum rated current at room	1000 1000 hours -24 +72) -24hours +72hours	MIL-STD-750D:1026 MIL-STD-883D:1005 JIS C 7021:B-1
Endurance test	High temperature and high humidity	IR-Reflow In-Board, 2 Times Ta= 8. ·]		

焊接指导（1）

Guideline for Soldering (1)

1. 使用烙铁人手焊接

Hand Soldering

30W

300 3

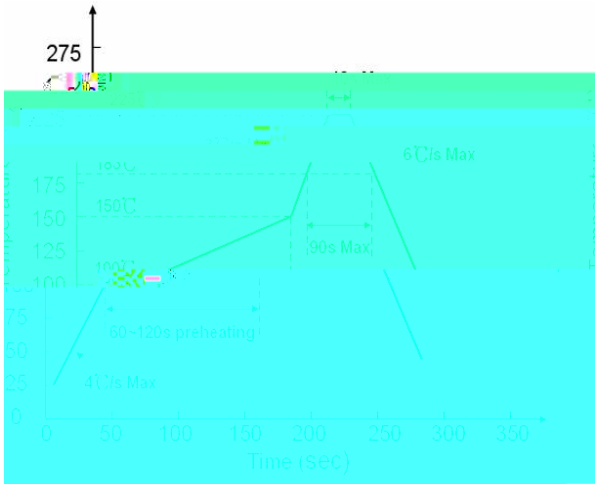
LED

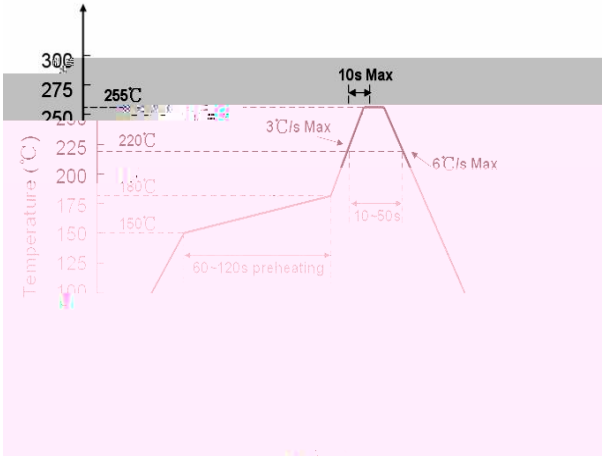
Manual welding is recommended only for repair and heavy industry situations. A soldering iron of less than 30W is recommended to be used in Hand Soldering. Please keep the temperature of the soldering iron under 300 while soldering. Each terminal of the LED is to go for less than 3 second and for one time only.

Be careful because the damage of the product is often started at the time of the hand soldering.

2.

Reflow Soldering: Use the conditions shown in the under Figure of Pb -Free Reflow Soldering.





Lead process lead free

Reflow soldering should not be done more than two times.

LED

Stress on the LEDs should be avoided during heating in soldering process.

After soldering, do not deal with the product before its temperature drop down to room temperature.

240 ± 5 /6S

The recommended maximum welding temperature for the product is 240 ± 5 /6s

使用注意事项（2）

Precautions (2)

3. 温度控制：

temperature Control

500V

During assembly, please ensure that a good quality thermal paste is applied and distributed evenly over the sur- face. While using thermal pad (Heat Sink), make sure LED is firmly tightened and there is no gap between sur- faces. The need to ensure the cooling medium dielectric withstand test at least through 500V.

4.驱动控制：

drive control

Drive this product at constant current. Output current range specifications should be according tothe operational and other conditions, as mentioned in data sheet. Before using a con-stant voltage source or altered specifications, other than recommended, please consider risk factors.

LED LED

Thermal Design is paramount importance because heat generation may result in the Characteristics decline, such as brightna.