[redacted]

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电性参数

Electrical Characteristics

Absolute Maximum Ratings Ta=25

Parameter	Symbol	Rating	Unit
Consumed power	Pd	50	mW
Max Continuous Forward Current	IF	20	mA
Peak Forward Current	IFp	80	mA
Operating ambient temperature	Topr	-40ÁC ~ +85ÁC	
Storage ambient temperature	Tstg	-40ÁC ~ +85ÁC	
Welding conditions	Tsol	reflow soldering 240ÁC 6s manual welding 300ÁC 3s 2.0mm	

Initial Electrical Optical Characteristics Ta=25

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test conditions
Luminous Intensity	Iv	50	/	300	mcd	I = 20mA

[redacted]:
Brightness grading:

代码 Code	最小值 Min	最大值 Max	[redacted] Unit	[redacted] Test conditions
A1	50	100	mcd	IF=20mA
A2	100	200		
A3	200	300		

[redacted]:
Voltage grading:

代码 Code	[redacted] Min	最大值 Max	单位 Unit	测试条件 Test conditions
N12-7	1.8	2.0	V	IF=20mA
N12-8	2.0	2.2		
N12-9	2.2	2.4		

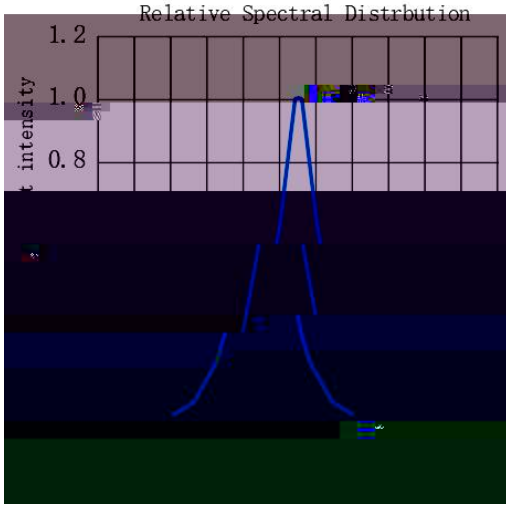
波长分档:
Wave Length grading

[redacted] Code	[redacted] Min	最大值 Max	[redacted] Unit	[redacted] Test conditions
HYG01	560	562.5	nm	IF=20mA
HYG02	562.5	565		
HYG03	565	567.5		
HYG04	567.5	570		
HYG05	570	572.5		
HYG06	572.5			

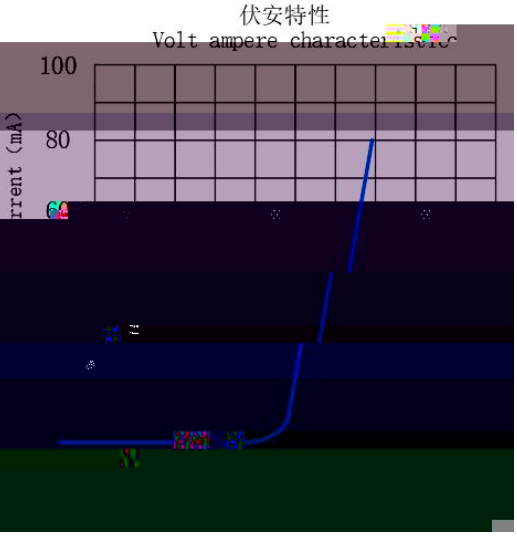
典型特性曲线

Typical Characteristics Curves

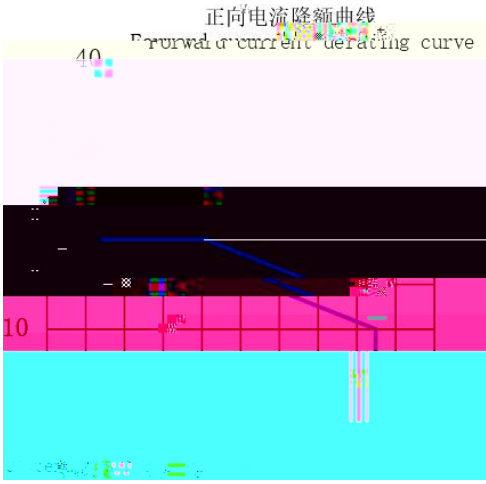
光谱分布曲线
Relative Spectral Distrbution



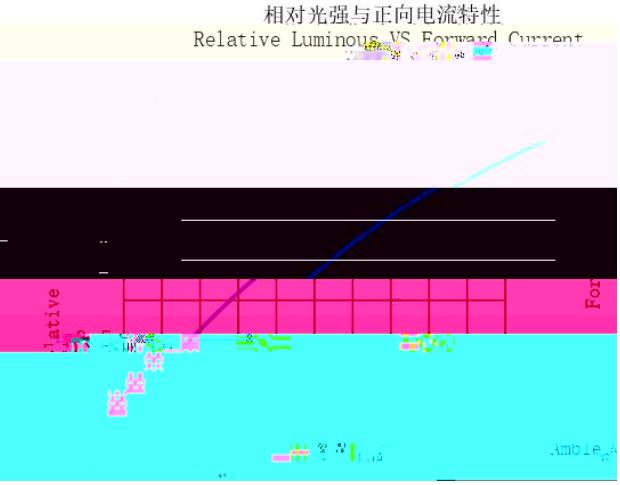
伏安特性
Volt ampere characteristic



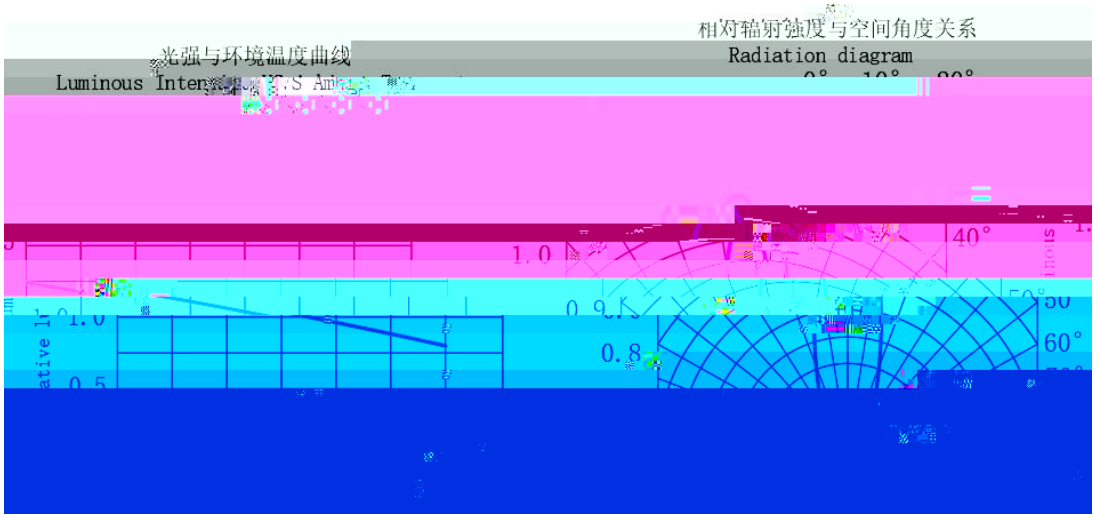
正向电流降额曲线
Forward current derating curve



相对光强与正向电流特性
Relative Luminous VS Forward Current



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

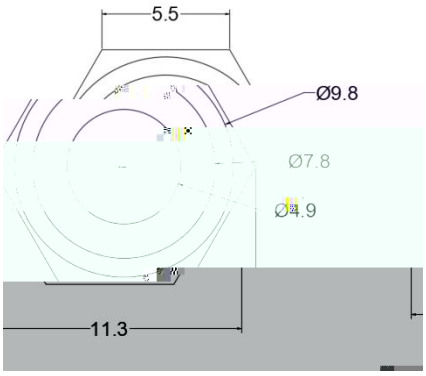
: 25 + 5 C./Note: If not otherwise indicated, the test environment temperature is 25 + 5 C.

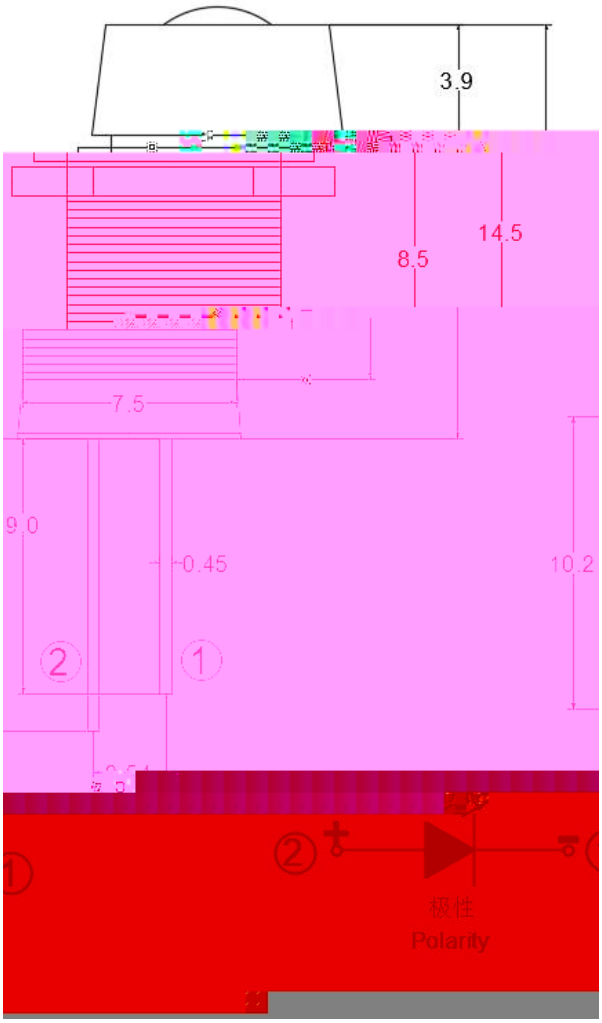
可靠性试验

Reliability Test Items And Conditions

外形尺寸

Outline Dimension





(Note)

1.

Dimensions are in millimeters.

2. Ñ 0.25mm .

Tolerances unless mentioned are Ñ 0.25mm.

使用注意事项（ ）

Precautions (1)

1. **APPLY**

LED LED

This LED can be used in some ordinary electronic equipment, such as office equipment, communication equipment, house decoration, if LED is used in some high reliability requirements, such as air transportation, traffic control and medical liao equipment, must refer to the information provided by sales.

2. **Keep in storage**

LED 3

5. Weld

2mm LED
LED

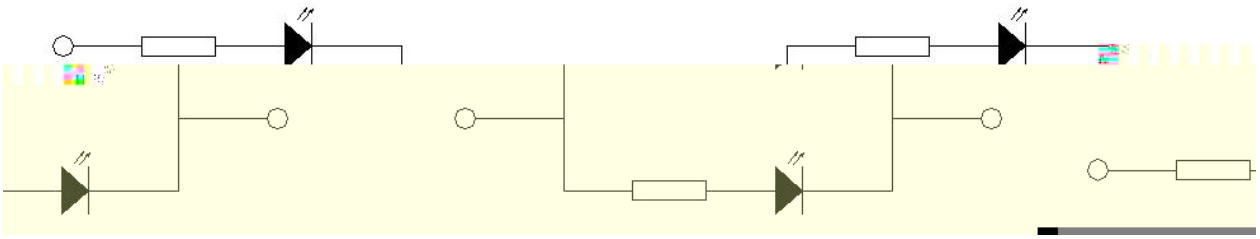
When welding, welding must be conducted below 2mm of colloid bottom. When welding, try to avoid soaking LED colloid. After welding, avoid adding external force on the pin or shaking LED colloid.

6. Drive way

LED LED A LED LED

In the current driving mode of LED, if LED is multiple in parallel, it is recommended to use line A and add a flow limit resistance to each LED to ensure the consistent brightness of LED.

Circuit model A **Circuit model B**



7. Electrostatic protection

LED InGaN
HBM<1000V <100V

High increase of static electricity and current will damage LED. Use antistatic devices such as protective belts and gloves. Note: human discharge mode HBM <1000V; machine discharge mode <100V.