客户名称:
CUSTOMER NAME: _____

经办者: 职称:
DIRECTOR: _____ TITLE: _____

客户料号:
CUSTOMER PART NO.: _____

品名: 版本:
PART NUMBER: **IE-3535IR-850-L-CE** REVISION: **2.0**

发件日期: 回文日期:
ISSUE DATE: **2014/11/08** RETURN DATE: / /

一、谨致执事者：兹提供敝公司产品之有关详细规格及图面数据，
敬请给予办理测试认定手续。
同时敬请送返一份附有贵公司签认之测试认定后之样品认定书。
We are please in sending you herewith our specification and drawings for your approval.
Please return to us one copy “For Approval” with your approved signatures.

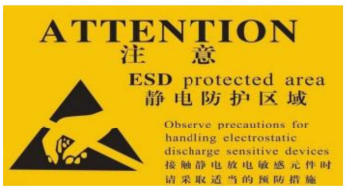
二、附件:

ACCESSORY: □样品 □ 出货检验记录表 □ 封装尺寸图 □ 电气特性曲线
□ 内部线路图 □ 焊性建议 □PAD 建议 □ 包装方式

三、客户意见栏 CUSTOMER’S PROPOSAL

□ AGREE 同意 (请于认可栏中签名)
□ DISAGREE 不同意

REASON 原因: _____
_____



Features

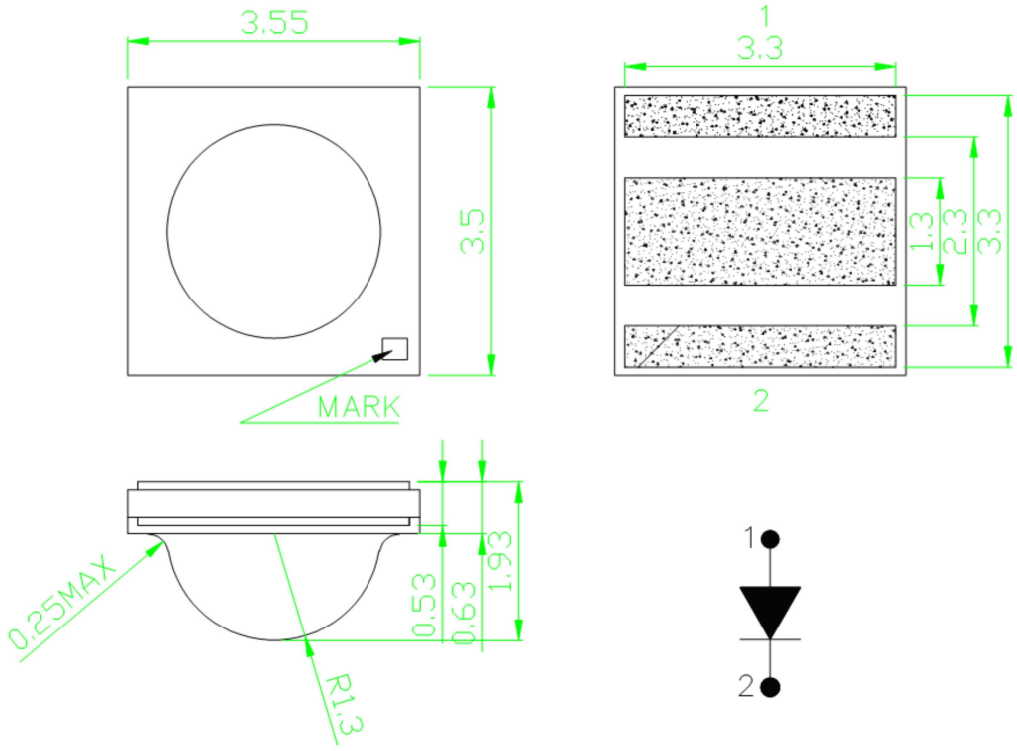
1. Low thermal resistance ceramic structure
2. Small size, flexible design
3. Automatic integration molding process
4. Light good uniformity, the perspective wide
5. High photosynthetic efficiency,

highlights flux maintenance ratio

Features (特征)

1. General lighting
2. Stage light
3. Project-light lamp
4. The landscape lighting
5. Other lighting

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.1(0.004") unless otherwise noted.
3. Specifications are subject to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Øv (lm) @ 350mA		Viewing Angle
			Min.	Typ.	2θ1/2
IE-3535IR-850-L-CE	Infrared	WATER CLEAR			120

Note:

1. 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

ν lecrto-optical Characteristics at 25℃:

Parameter	Symbol		Condition	Min.	Typ.	Max.	Unit
Forward voltage	Vf1		If=10uA		1.0		V
	Vf2		If=700mA		1.5	1.9	V
Reverse currnt	If		Vr=10V			5.0	uA
Peak wavelength	λ p		If=700mA	840	855	870	nm
Radiant flux	Po	H9	If=700mA	110			mW
		H10		130			
		H11		160			

ν Absolute Maximum Ratings(Ta=25℃):

Parmeter	Symbol	Absolute maximum Rating	Unit
Forward DC current	If	≤ 1000	mA
Reverse voltage	Vr	≤ 10	V
Power Dissipation	Pd	2000	mW
Operation Temperature	Topr	-20~+75	℃
Storage Temperature	Tstg	-30~+80	℃
Temperature during Soldering	---	280(<10sec)	℃

Remarks:

If special sorting is required (e.g. binning based on forward voltage, luminous intensity/ luminous flux or wavelength),

the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm

2. Luminous Intensity/ Luminous Flux: +/-15%

3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

■ Typical Electrical/ Optical Characteristics Curves
(Ta=25°C Unless Otherwise Noted) :

Forward Current Characteristics

Fig.1- Relative Radiant Flux vs. Forward Current

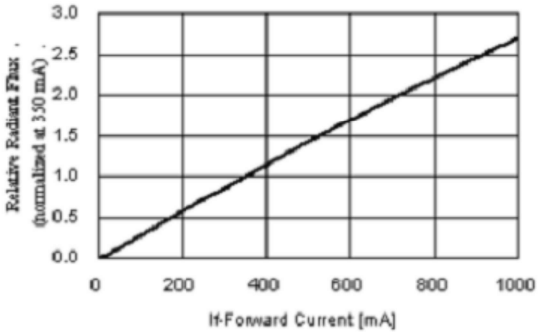


Fig.2- Forward Current vs. Forward Voltage

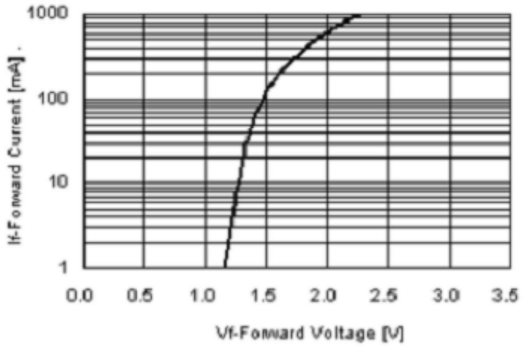


Fig.5- Peak Wavelength(@350mA) vs. Ambient Temperature

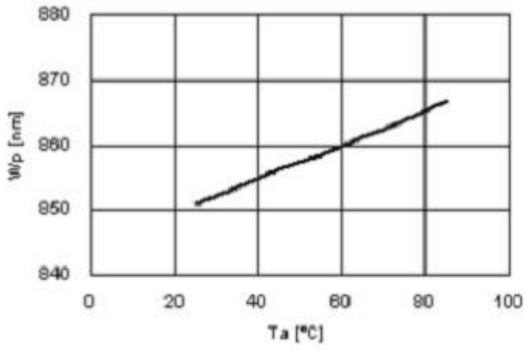


Fig.6 Maximum Driving Forward DC Current vs. Ambient Temperature (Derating based on Tj max. = 115°C)

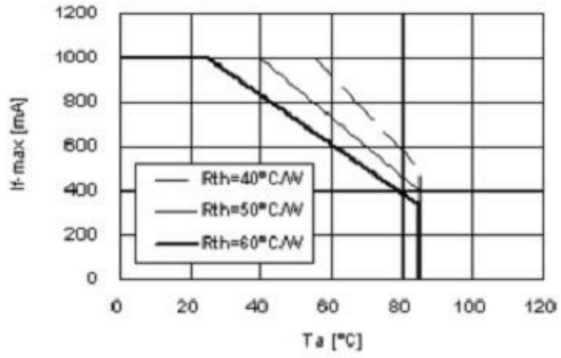


Fig.3- Relative Radiant Flux (@350mA) vs. Ambient Temperature

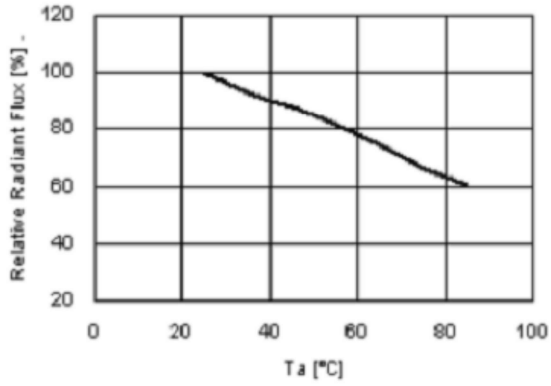
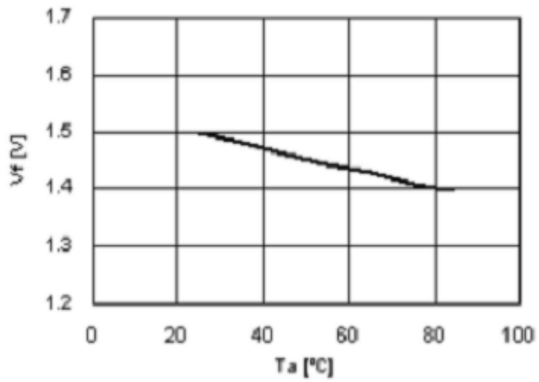


Fig.4-Forward Voltage (@350mA) vs. Ambient Temperature



Reliability experiments

测试项目	应用标准	测试条件	失效判定标准
室温工作寿命测试	JESD22 方法 A108-C	-环境温度：常温 -正向电流：技术数据表所列最大值 -测试周期：1008 小时	1. 正向电压偏移＞200mV 2. 光通量下降： • InGaN lEDs＞15% • AlInGaP LEDs＞25% 3. 正向或反向漏电流＞10μA 4. 灾难性失效
高温工作寿命测试	JESD22 方法 A108-C	-环境温度：85℃ -正向电流：技术数据表所列最大值 -测试周期：1008 小时	
低温工作寿命测试	JESD22 方法 A108-C	-环境温度：-40℃ -正向电流：技术数据表所列最大值 -测试周期：1008 小时	
高温高湿工作寿命测试	JESD22 方法 A101-B	-环境温度：60℃ -湿度 90％相对湿度(RH) -时间 1008 小时(循环) -正向电流：技术数据表所列最大值	
高低温恒湿可程式寿命测试	JESD22 方法 A101-B	--环境温度： －20℃ ～0℃ ～25℃ ～60℃ ～25℃ (30 分) (30 分) (30 分) (30 分) (30 分) -湿度 60％相对湿度(RH) -试验周期：20 循环	
冷热冲击试验	MIL-STD-202G 方法 107G	-温度范围：-40℃～125℃或依客户要求 -保持时间 15 分钟 -转换时间＜60 秒 -周期：100 循环	测试后 LED 不能再点亮发光

ν Handling

Handle the component along the side surfaces by using forceps or appropriate tools. The forceps or other appropriate tools should not put any pressure on the lens.it's also strictly forbidden to poke and press the lens.

ν Electrical Notes

1. The LED can not be drived reversely.
2. It's necessary to have the measures to limit the current Otherwise slight voltage shift may cause enormous current change and results in the failure of LEDs.
3. It is recommended that the drive current should be lower when the light output is enough for applying.It would be helpful to improve the product's reliability.

ν Antistatic

The LEDs are electrostatic sensitive devices,so antistatic steps should be taken during the processing.