

PRODUCT SPECIFICATION

Model No.: FYL-3014IRCC1A

Descriptions:

- Dice material: AlGaAs.
- Emitting Color: Infrared.
- Device Outline: Φ3mm round type.
- Lens Type: Water clear.



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CUSTOMER APPROVED SIGNATURES	APPROVED BY	SALES BY	PREPARED BY
			

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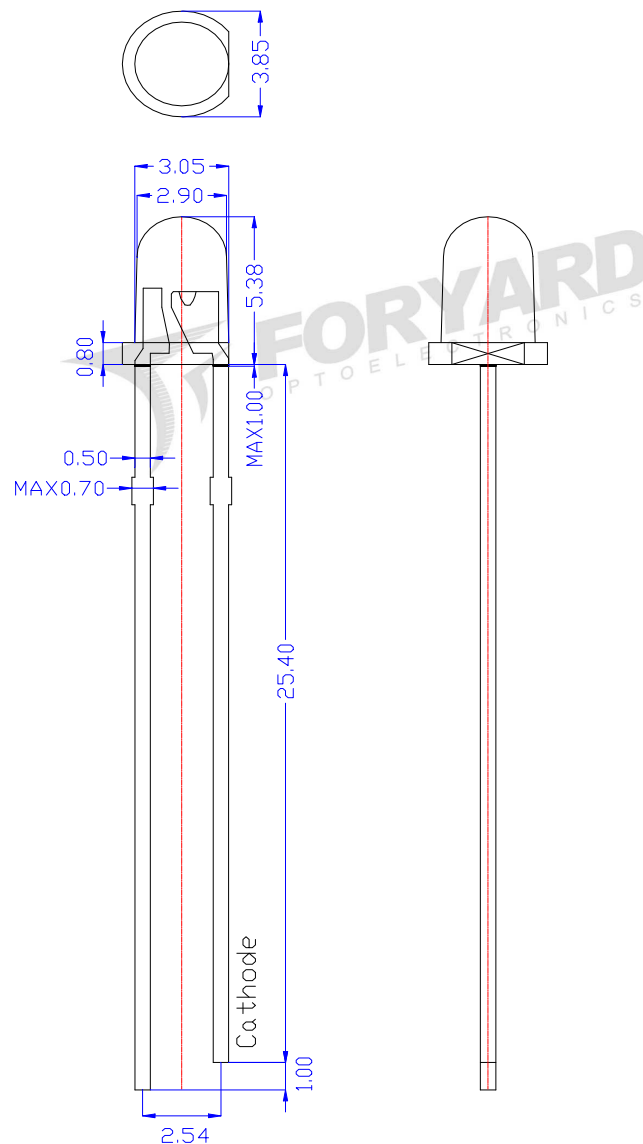
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■ ⑤ Features

- 1.Low power consumption.
- 2.High efficiency.
- 3.General purpose leads.
- 4.High intensity.
- 5.RoHs compliant.

■ Package configuration



Notes:

1. All dimensions are millimeters (inches)
2. Tolerance is $\pm 0.25\text{mm}(.010")$ unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

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■ Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Test Condition	MAX.	Unit
Power Dissipation	pd	—	100	mW
Forward Current	IFM	Duty=0.01ms 1khz	1000	mA
Reverse Voltage	VR	IR=10UA	9	V
Operating Temperature Range		-30°C to +80°C		
Storage Temperature Range		-40°C to +100°C		
Lead Soldering Temperature[4mm(.157") From Body]		260°C for 5 Seconds		

■ Typical Electrical &Optical Charcteristics(Ta=25°C)

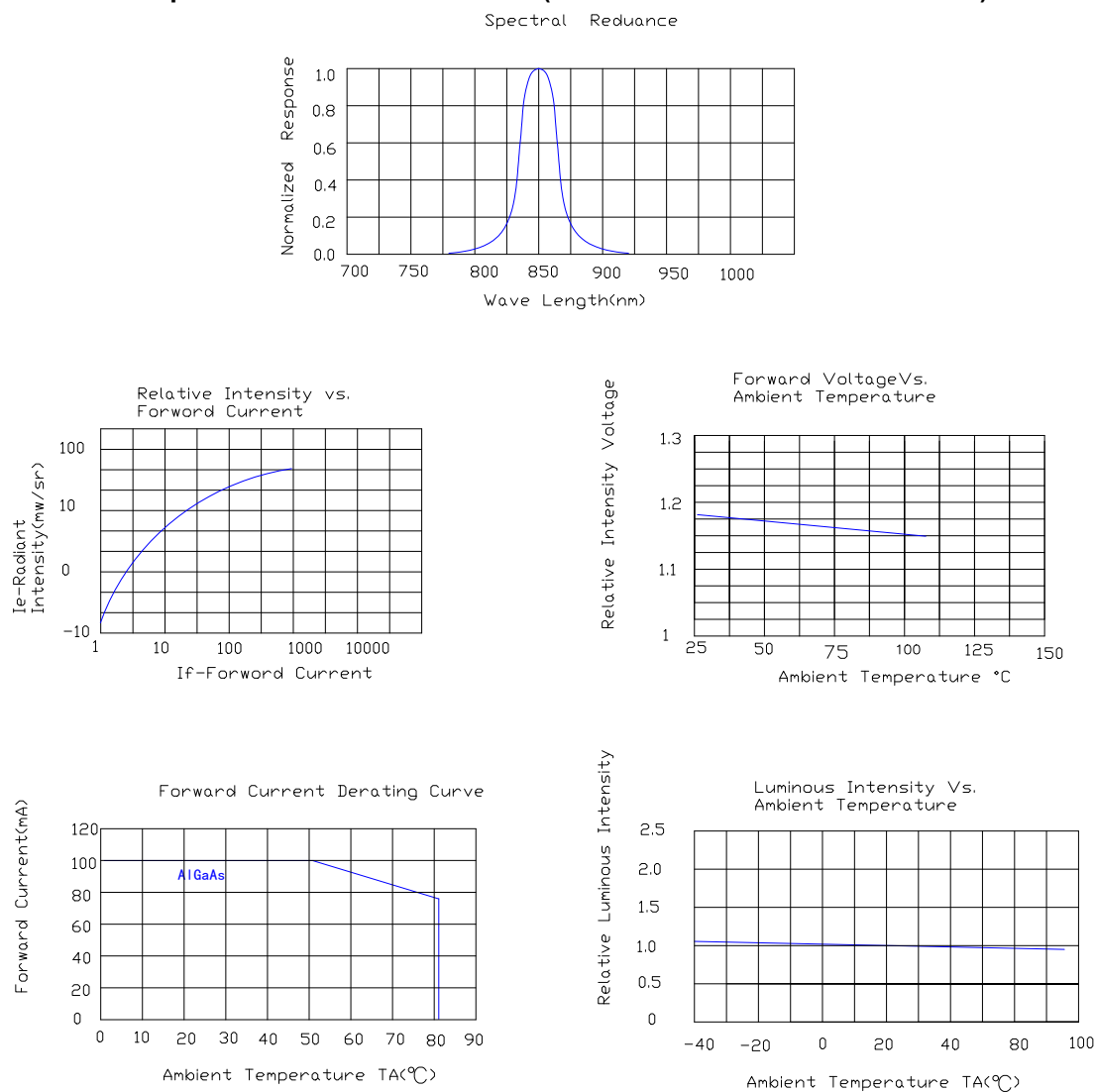
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Radiant Intensity	Ee		50	—	mW/sr	IF=50mA
Viewing Angle	2θ _{1/2}	—	40	—	Deg	
Peak Emission Wavelength	λp	—	850	—	nm	
Spectral Line Half-Width	△λ	40	45	50	nm	
Forward Voltage	V _F	—	1.3	1.5	V	
Reverse Current	I _R	—	—	10	μA	VR=5V

Note:

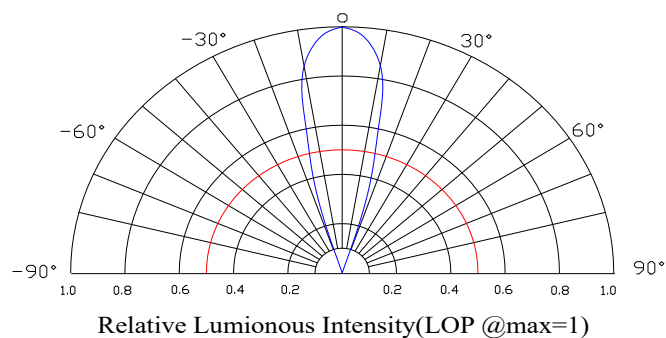
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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



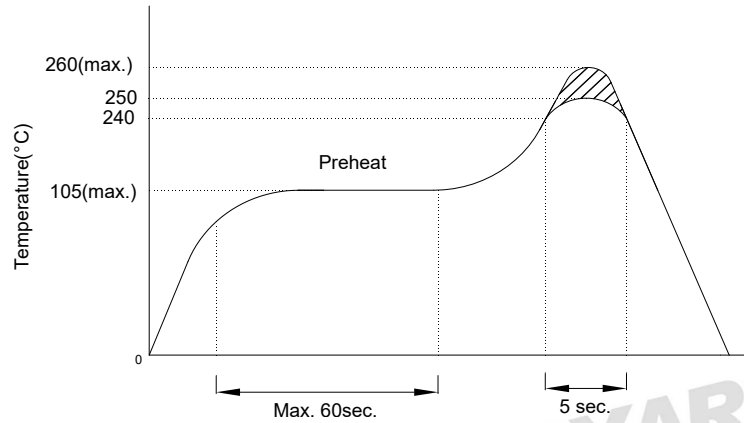
Radiation pattern.



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■ Precautions For Use -

1. Recommended Soldering conditions-Wave Soldering



2. Soldering Iron

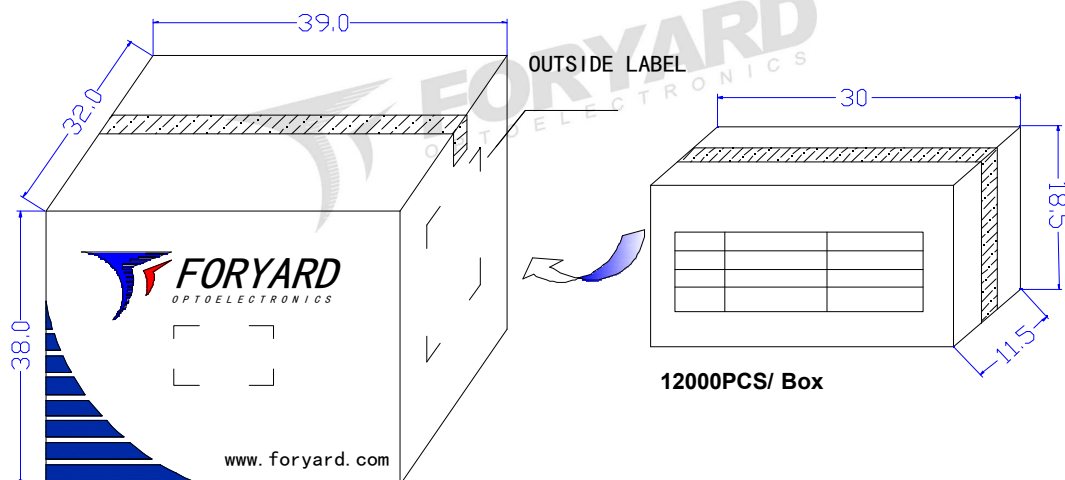
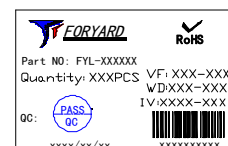
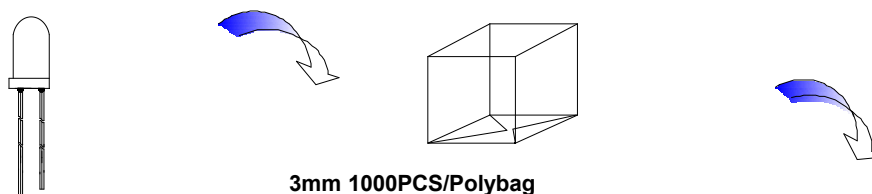
Basic SPEC. is ≤ 5 sec. When 260°C. If temperature is higher, time should be shorter (+10°C → -1sec.).

Power dissipation of iron should be smaller than 15W, and temperature should be controllable.

Surface temperature of the device should be under 230°C.

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⑤ ■ LAMP PACKING.



OUTSIDE LABEL

Note: The specifications are subject to change without notice. Please contact us for updated information.

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