Technical Data Sheet

264-7USOC/S530-A3

Features

- Popular T-1 package.
- High efficiency.
- General purpose leads.
- Selected minimum intensities.
- Available on tape and reel.
- Pb free
- The product itself will remain within RoHS compliant version.

Descriptions

- The series is specially designed for applications requiring higher brightness.
- The LED lamps are available with different colors, intensities, epoxy colors, etc.
- Superior performance in outdoor environment

Applications

- Status indicators.
- Commercial use.
- Advertising Signs.
- Back lighting.

Device Selection Guide

LED Part No.	Chip		Lens Color
	Material	Emitted Color	
264-7USOC/S530-A3	AlGaInP	Super Sunset Orange	Water Clear

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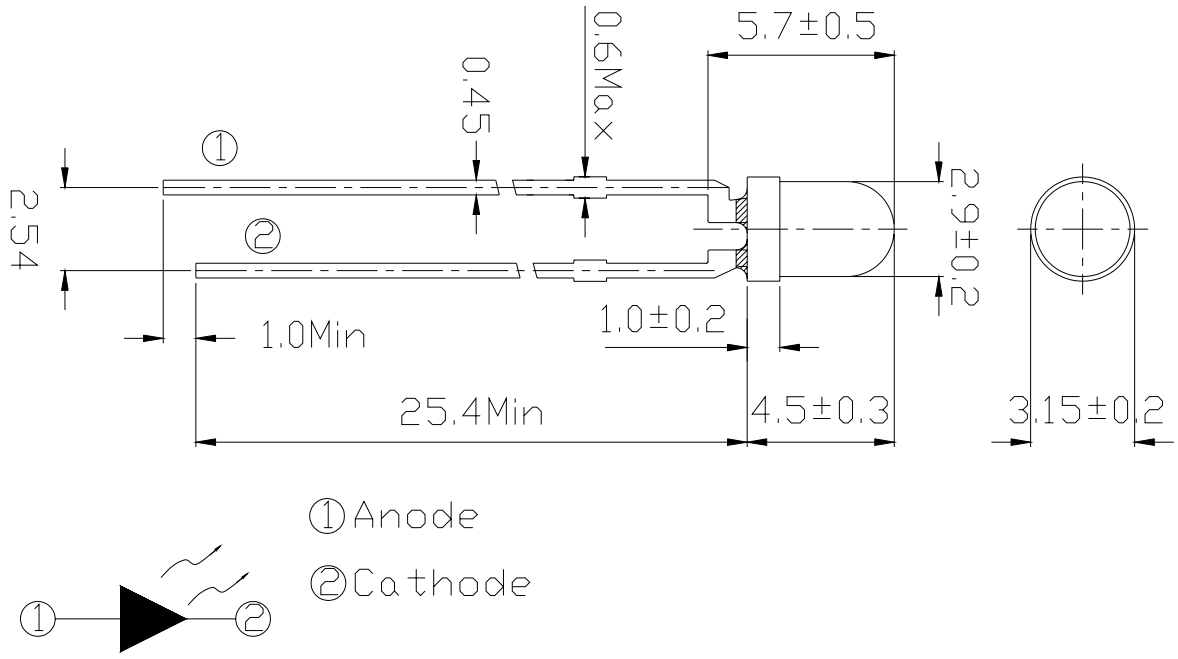
Package Dimensions



Notes:

- Other dimensions are in millimeters, tolerance is 0.25mm except being specified.
- Protruded resin under flange is 1.5mm Max LED.
- Bare copper alloy is exposed at tie-bar portion after cutting.

Absolute Maximum Rating (T_a=25℃)

Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Current	I_F	25	mA
Pulse Forward Current (Duty1/10@ 1KHz)	I_{FP}	60	mA
Operating Temperature	T_{opr}	-40 ~ +85	℃
Storage Temperature	T_{stg}	-40 ~ +100	℃
Electrostatic Discharge	ESD	2000	V
Soldering Temperature	T_{sol}	260 ±5	℃
Power Dissipation	P_d	60	mW
Reverse Voltage	V_R	5	V

Notes: Soldering time≦5 seconds.

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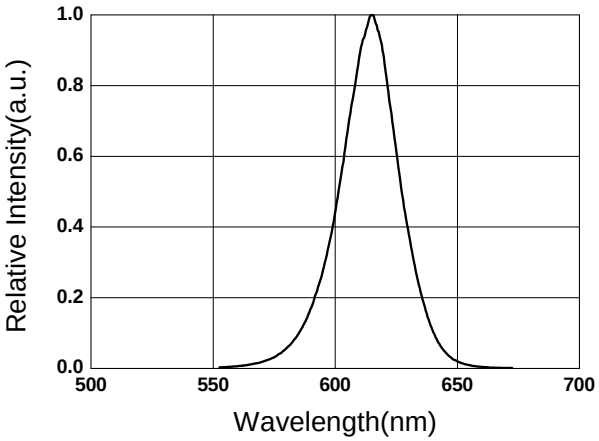
Electro-Optical Characteristics (T_a=25℃)

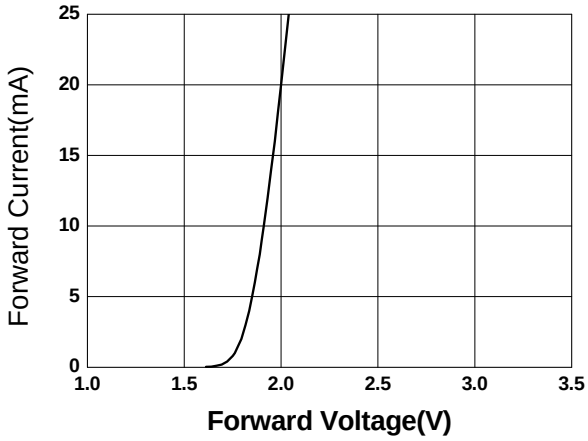
Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	I_V	---	13	125	mcd	I_F=2mA
		120	210	800		I_F=20mA
Viewing Angle	$2\theta_{1/2}$	---	40	---	deg	I_F=20mA
Peak Wavelength	λ_p	--	621	---	nm	
Dominant Wavelength	λ_d	---	615	---		
Spectrum Half width	$\Delta\lambda$	---	18	---		
Forward Voltage	V_F	---	2.0	2.4	V	
Reverse Current	I_R	---	---	10	μA	V_R=5V

Typical Electro-Optical Characteristics Curves

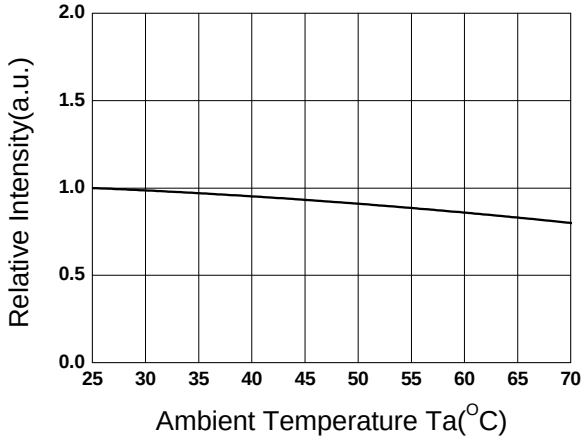
Relative Intensity vs. Wavelength



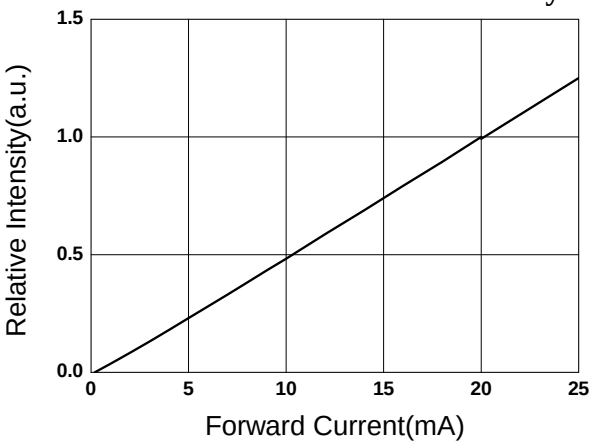
Forward Current vs. Forward Voltage



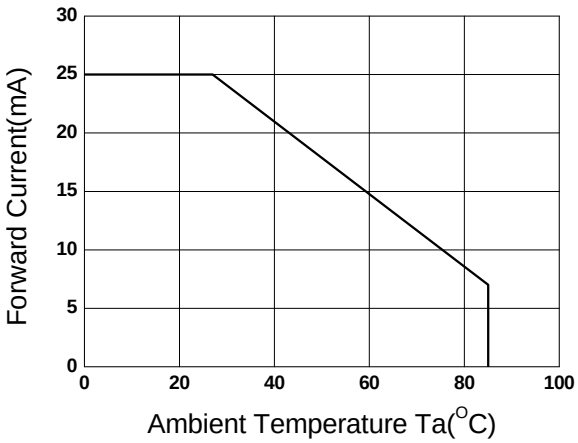
Relative Intensity vs. Ambient Temp



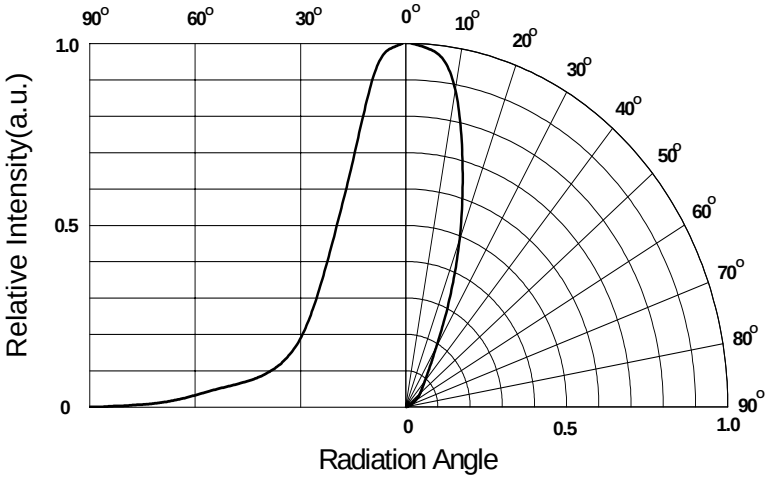
Forward Current vs. Relative Intensity



Forward Current vs. Ambient Temp.



Radiation Characteristics



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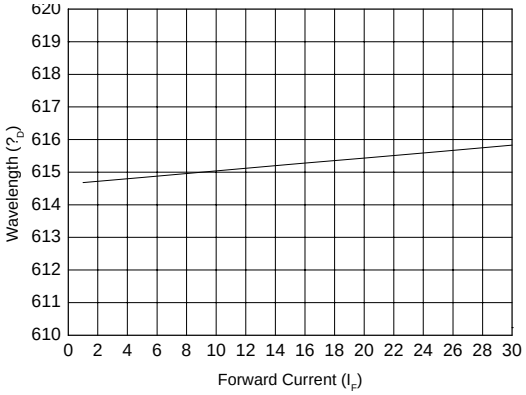
Forward Current vs Wavelength



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Packing Quantity Specification

1.1000PCS/1Bag，4Bags/1Box

2.10Boxes/1Carton

Label Form Specification

CPN: Customer's Production Number

P/N : Production Number

QTY: Packing Quantity

CAT: Ranks of Luminous and Forward Voltage

HUE: Ranks of Dominant Wavelength

REF: Reference

LOT No: Lot Number

MADE IN TAIWAN: Production Place

Notes

1. Above specification may be changed without notice. EVERLIGHT will reserve authority on material change for above specification.
2. When using this product, please observe the absolute maximum ratings and the instructions for using outlined in these specification sheets. EVERLIGHT assumes no responsibility for any damage resulting from use of the product which does not comply with the absolute maximum ratings and the instructions included in these specification sheets.
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