

LAMP

1383UYD/S530-A3/T2



Features

- Choice of various viewing angles
- Available on tape and reel.
- Reliable and robust
- Pb free
- The product itself will remain within RoHS compliant version.
Compliance with EU REACH.
- Compliance Halogen Free .(Br <900 ppm ,Cl <900 ppm , Br+Cl < 1500 ppm).

Description

- The series is specially designed for applications requiring higher brightness
- The led lamps are available with different colors, intensities..

Applications

- TV set
- Monitor
- Telephone
- Computer

Device Selection Guide

Chip Materials	Emitted Color	Resin Color
AlGaInP	Brilliant Yellow	Yellow Diffused

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Rating	Unit
Continuous Forward Current	I _F	25	mA
Peak Forward Current (Duty 1/10 @ 1KHZ)	I _{FP}	60	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _d	60	mW
Operating Temperature	T _{opr}	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Soldering Temperature	T _{sol}	260 °C for 5 sec.	

Electro-Optical Characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	I _v	40	80	-----	mcd	I _F =2mA
Viewing Angle	2θ _{1/2}	-----	20	-----	deg	I _F =2mA
Peak Wavelength	λ _p	-----	591	-----	nm	I _F =2mA
Dominant Wavelength	λ _d	-----	589	-----	nm	I _F =2mA
Spectrum Radiation Bandwidth	Δλ	-----	15	-----	nm	I _F =20mA
Forward Voltage	V _F	-----	2.0	2.4	V	I _F =2mA
Reverse Current	I _R	-----	-----	10	μA	V _R =5V

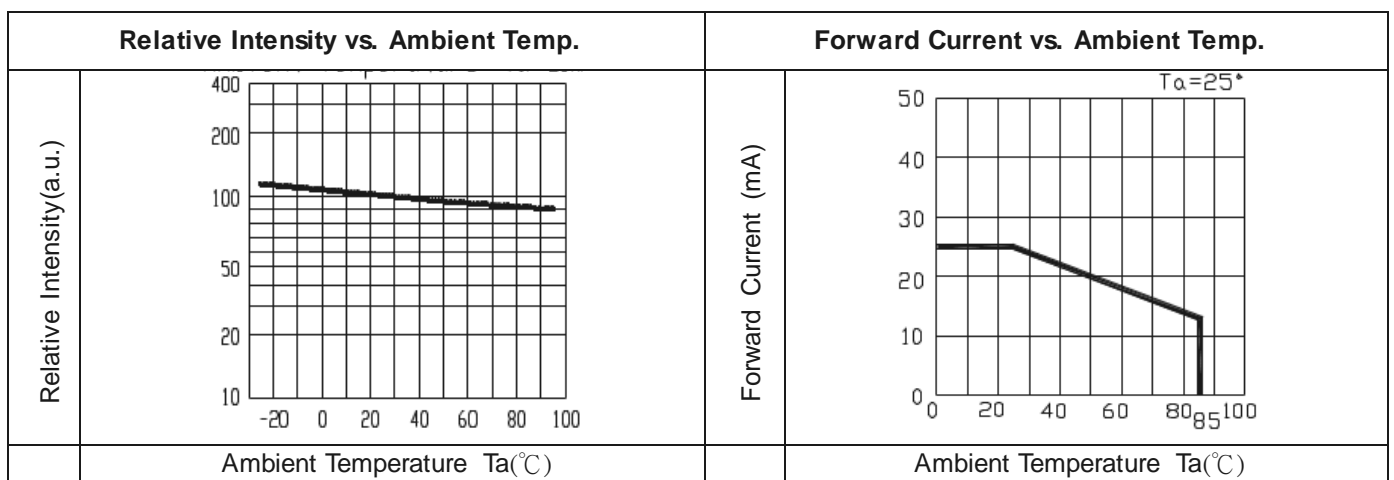
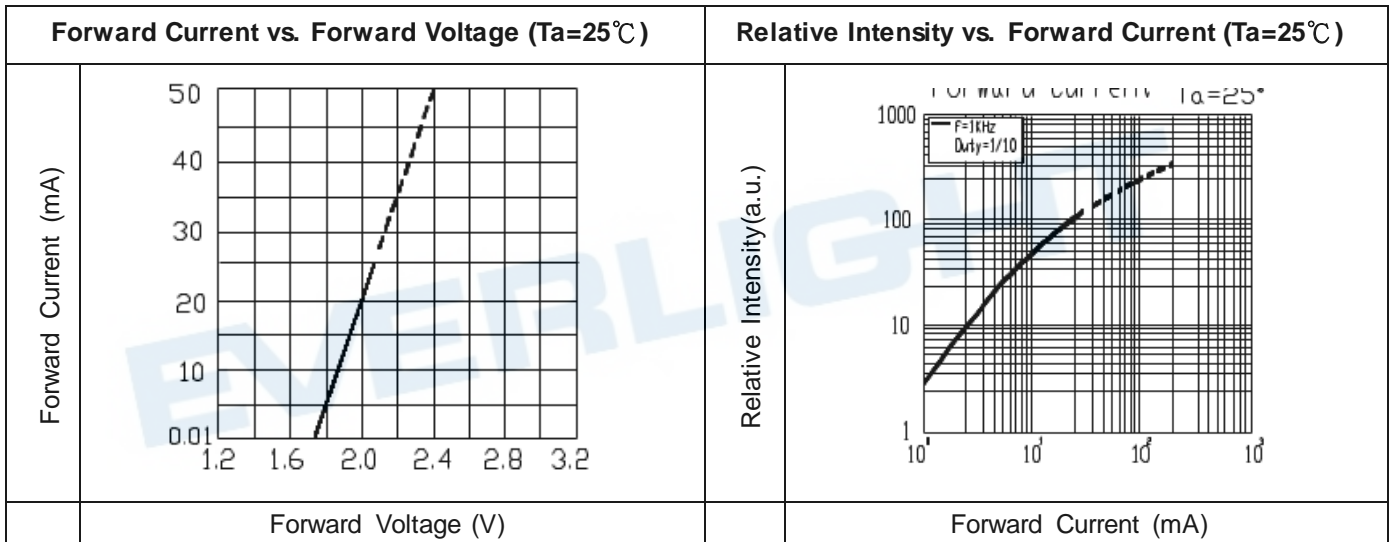
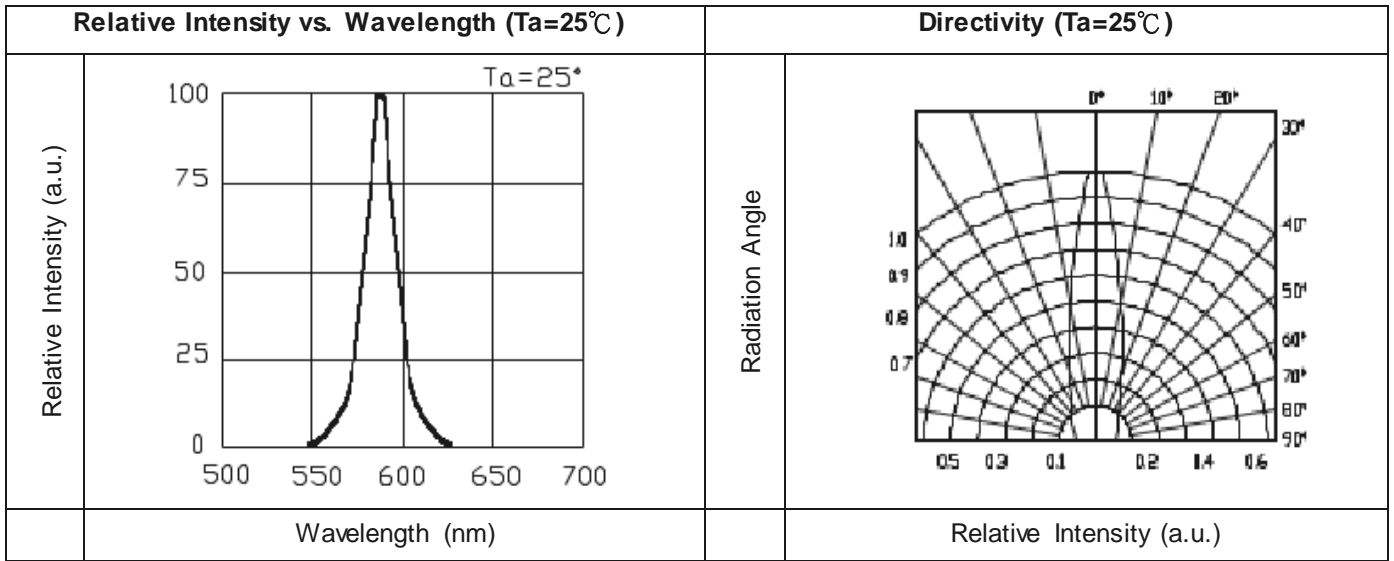
Note:

*Measurement Uncertainty of Forward Voltage: ±0.1V

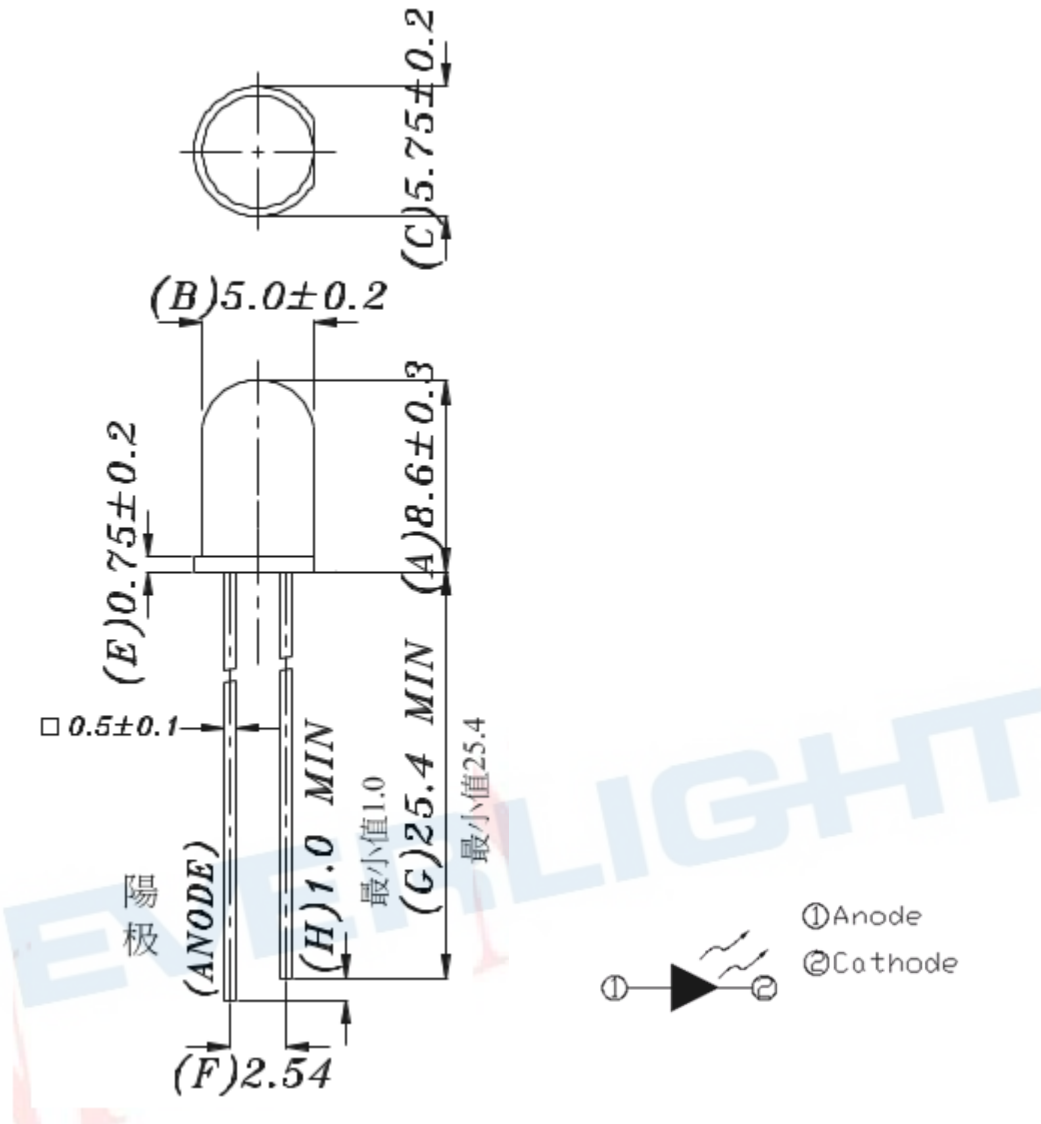
*Measurement Uncertainty of Luminous Intensity: ±10%

*Measurement Uncertainty of Dominant Wavelength ±1.0nm

Typical Electro-Optical Characteristics Curves



Package Dimension



Note: Note:

1. All dimensions are in millimeters
2. The height of flange must be less than 1.5mm(0.059").
3. Without special declared, the tolerance is ±0.25mm.