



**OptoSupply**

*Light It Up*

**3mm Round Yellow Green LED**

**OSG8HA3Z74A**

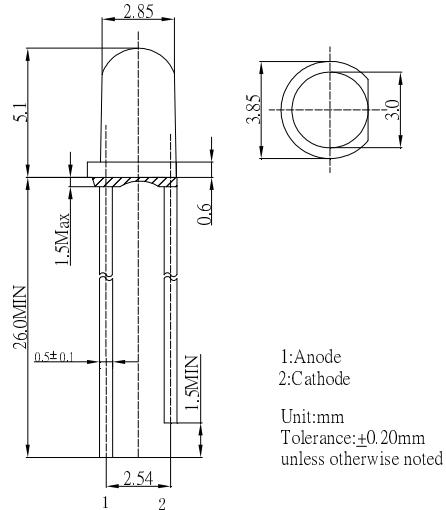
## ■Features

- High Luminous LEDs
- 3mm Round Standard Directivity
- UV Resistant Epoxy
- Color Diffused Type

## ■Applications

- Electronic Signs And Signals
- Small Area Illuminations
- Back Lighting
- Other Lighting

## ■Outline Dimension



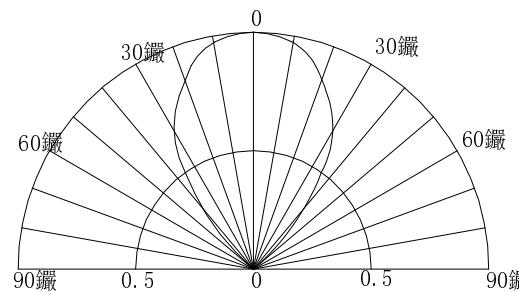
## ■Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I <sub>F</sub>	30	mA
Pulse Forward Current#	I <sub>FP</sub>	100	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	78	mW
Operating Temperature	T <sub>opr</sub>	-30 ~ +85	°C
Storage Temperature	T <sub>tsg</sub>	-40~ +100	°C
Lead Soldering Temperature	T <sub>sol</sub>	260°C/5sec	-

#Pulse width Max.10ms Duty ratio max 1/10

## ■Directivity



## ■Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V <sub>F</sub>	I <sub>F</sub> =20mA	1.8	2.1	2.6	V
DC Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	10	μA
Domi. Wavelength*2	λ <sub>D</sub>	I <sub>F</sub> =20mA	565	570	575	nm
Luminous Intensity*3	I <sub>v</sub>	I <sub>F</sub> =20mA	68	100	-	mcd
50% Power Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =20mA	-	70	-	deg

\*1 Tolerance of measurements of forward voltage is ±0.1V

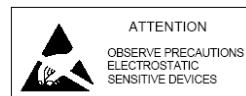
\*2 Tolerance of measurements of dominant wavelength is ±1nm

\*3 Tolerance of measurements of luminous intensity is ±15%

**LED & Application Technologies**



**REACH**  
The new EU chemicals legislation





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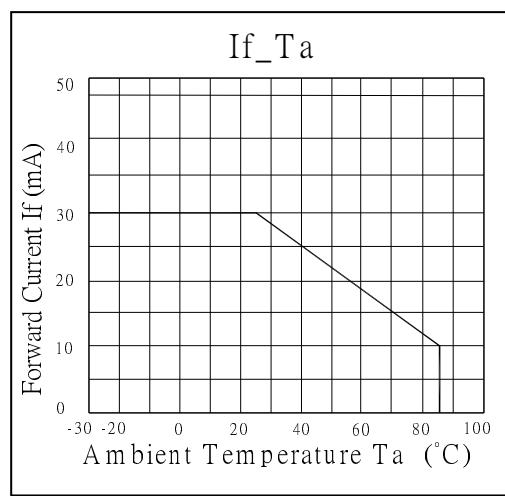
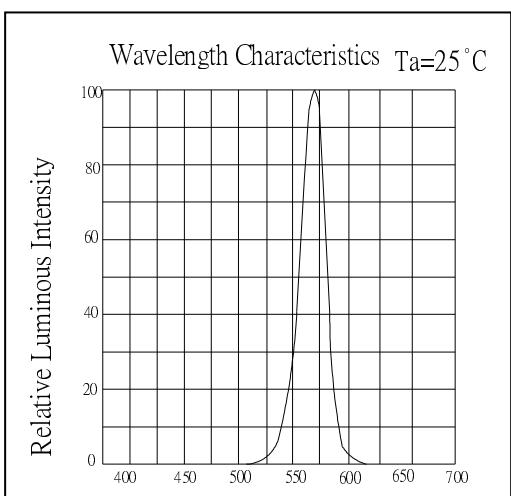
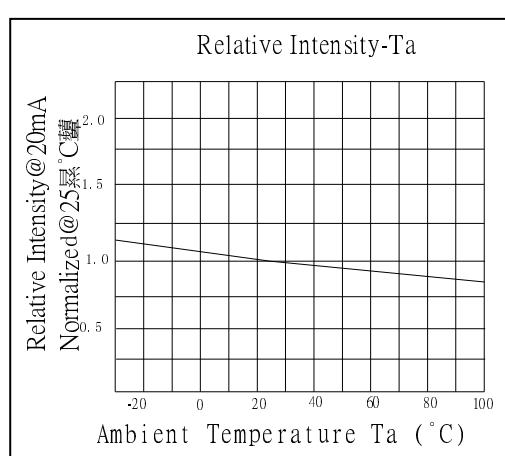
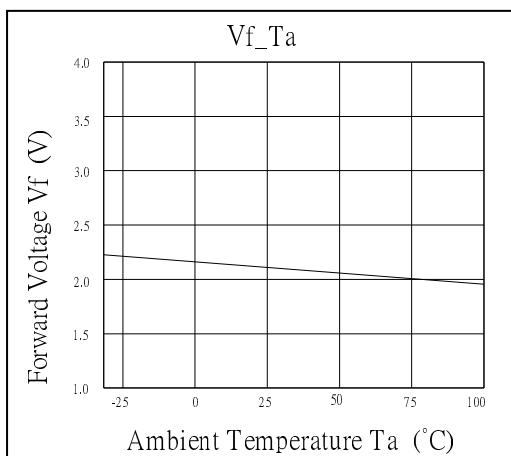
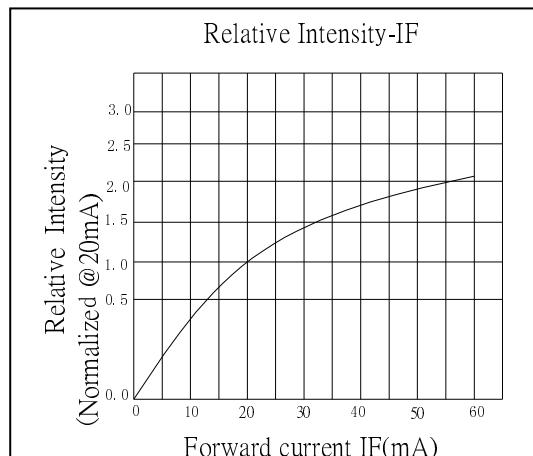
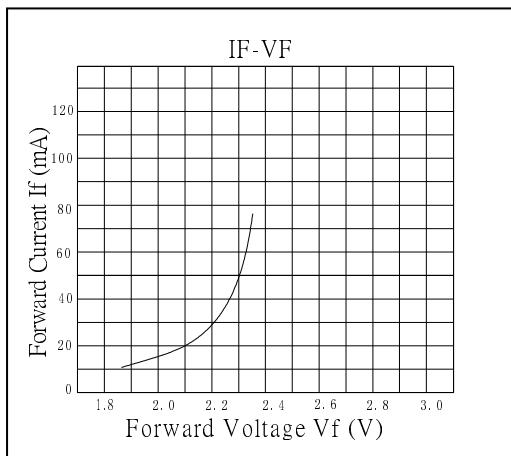
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## AlGaInP LED

### TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES



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