



OptoSupply

Light It Up

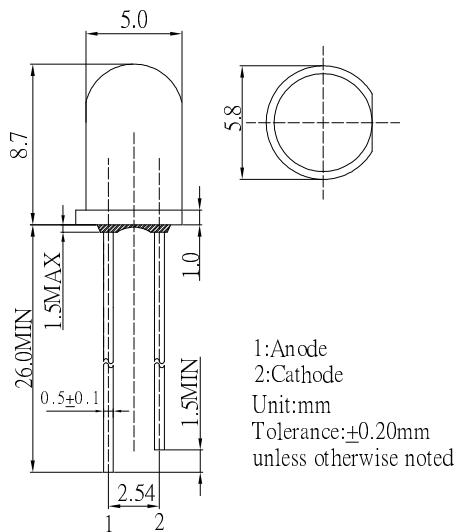
5mm Round Yellow LED

OSYL5113A

■ Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- UV Resistant Epoxy
- Color Transparent Type

■ Outline Dimension



■ Applications

- Toys
- Games
- Audio
- Christmas Light

■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I _F	30	mA
Pulse Forward Current#	I _{FP}	100	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	78	mW
Operating Temperature	Topr	-30 ~ +85	°C
Storage Temperature	T _{Stg}	-40 ~ +100	°C
Lead Soldering Temperature	T _{Sol}	260°C / 5sec	-

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

■ Electrical -Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage*1	V _F	I _F =20mA	1.8	2.1	2.4	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength*2	λ _D	I _F =20mA	585	590	595	nm
Luminous Intensity*3	I _v	I _F =20mA	-	1200	-	mcd
50% Power Angle	2θ _{1/2}	I _F =20mA	-	15	-	deg

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

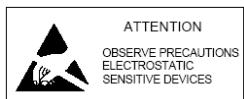
*2 Tolerance of measurements of dominant wavelength is ±1nm

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

LED & Application Technologies



REACH
The new EU chemicals legislation





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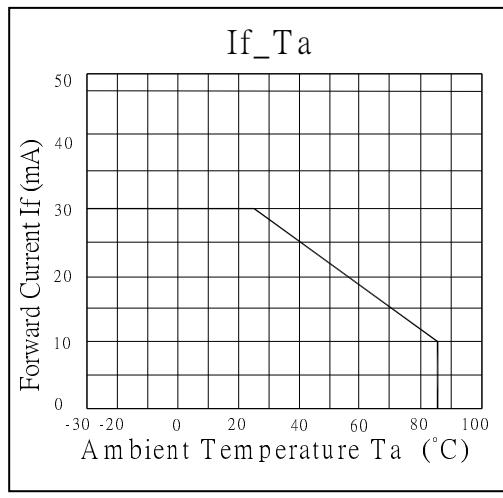
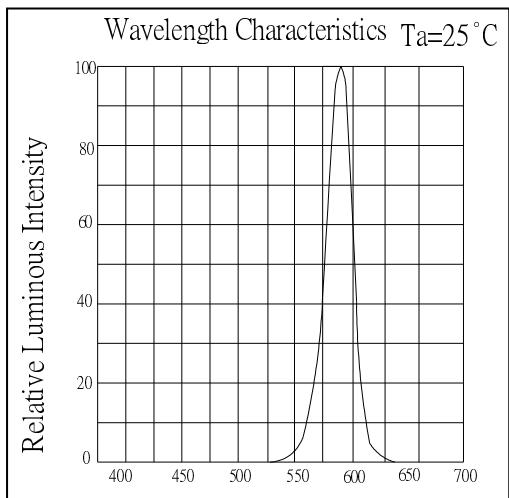
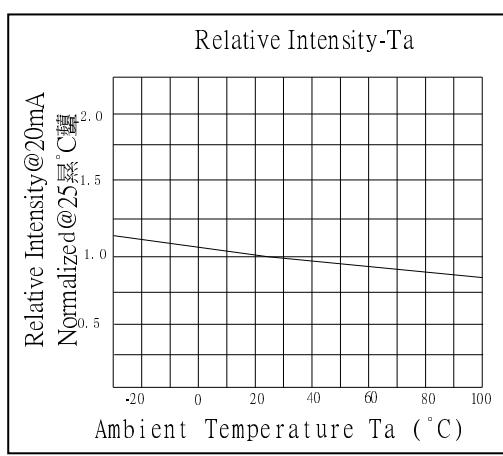
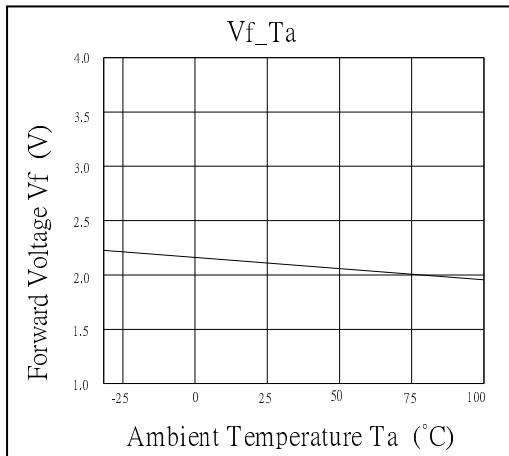
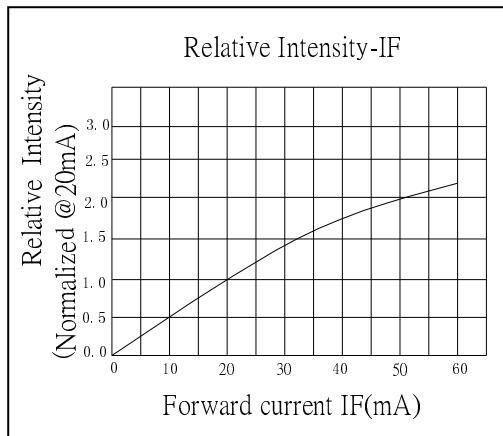
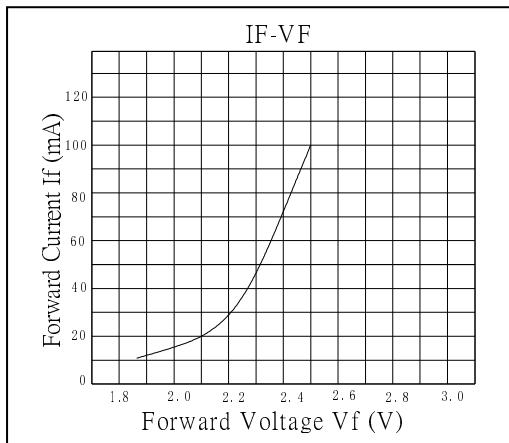
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AlGaInP LED

TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES



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