

**■Features**

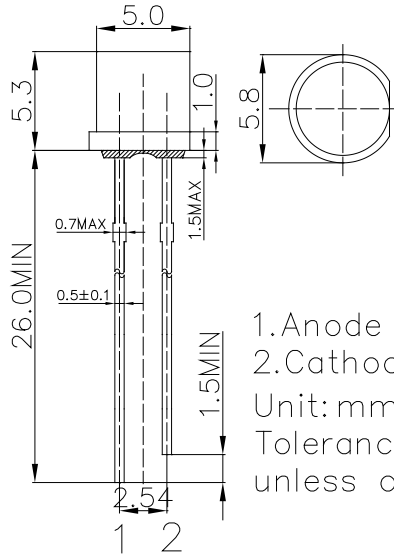
- High Luminous LEDs
- 5mm Flat Top Standard Directivity
- UV Resistant Epoxy
- Water Clear Type

**■Applications**

- Green House Applications
- Red : Blue LED Iv Ratio is 8:1\*

\*The ratio is summarized by the photosynthesis test on Phalaenopsis and provided from plant workshop in Taiwan.

**■Outline Dimension**



1. Anode  
2. Cathode  
Unit: mm  
Tolerance: ±0.20mm  
unless otherwise noted

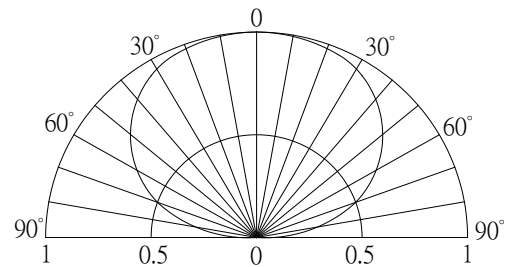
**■Absolute Maximum Rating**

(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>stg</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	-	2.1	2.6	V
DC Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	10	μA
Peak Wavelength*2	λ <sub>p</sub>	I <sub>F</sub> =20mA	650	660	670	nm
Luminous Intensity*3	I <sub>v</sub>	I <sub>F</sub> =20mA	500	750	-	mcd
50% Power Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =20mA	-	140	-	deg

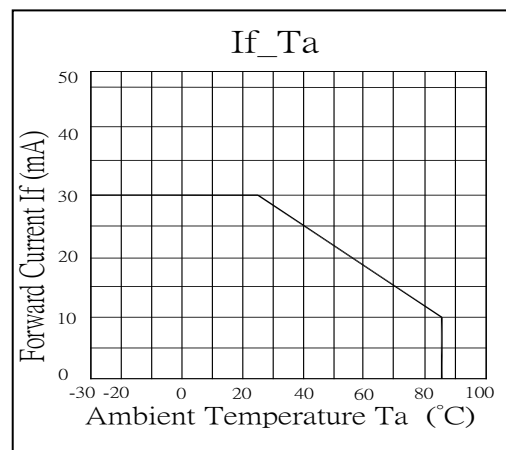
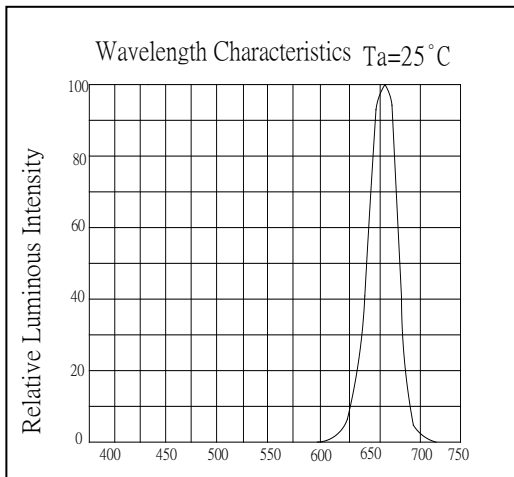
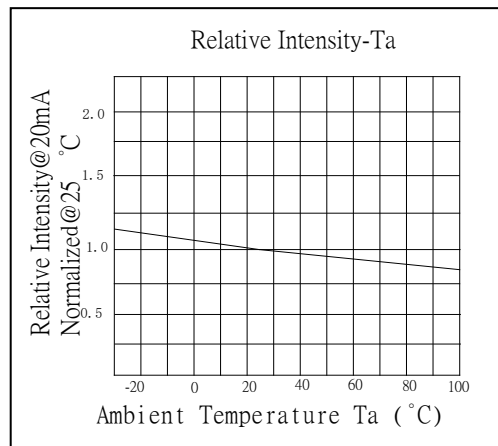
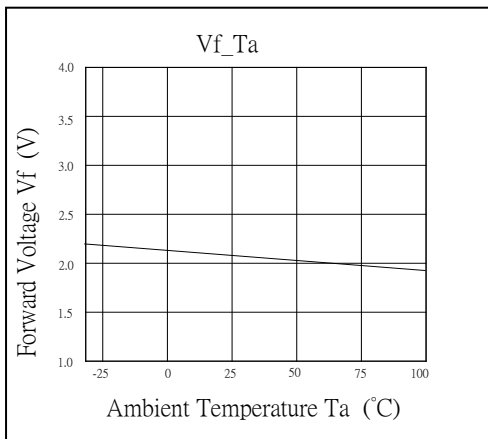
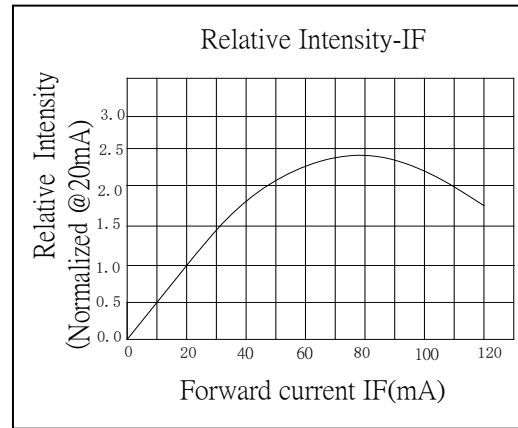
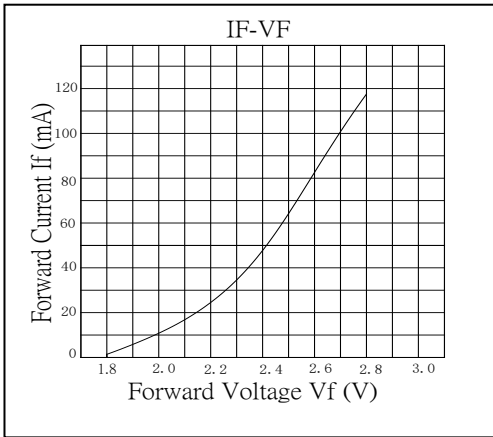
\*1 Tolerance of measurements of forward voltage is ±0.1V

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

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

**AlGaInP LED**

**TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES**



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