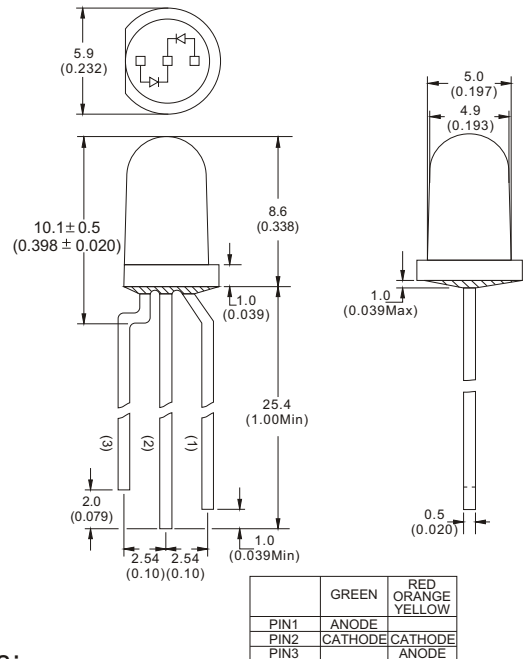




### ● Features:

- 1. Chip material: AlGaInP/InGaN
- 2. Emitting color: Ultra Orange/Pure Green
- 3. Lens Appearance: Water Clear
- 4. Long life-solid state reliability
- 5. IC compatible/Low current capability
- 6. RoHS compliant

### ● Package dimensions



### Notes:

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is ±0.25mm (0.01") unless otherwise specified.
- 3. Specifications are subject to change without notice.



### ● Absolute maximum ratings (Ta=25°C)

Characteristic	Test Condition	Symbol	UE	PG	Units
Pulse Forward Current	1/10 duty cycle 0.1ms Pulse width	I <sub>FP</sub>	100	100	mA
DC Forward Current		I <sub>F</sub>	25	25	mA
Reverse Current	V <sub>R</sub> =5V	I <sub>R</sub>	10	10	μA
Power Dissipation		P <sub>D</sub>	65	120	mW
Operating Temperature		T <sub>OPR</sub>	-40 to +80		°C
Storage Temperature		T <sub>STG</sub>	-40 to +85		°C
Lead Soldering Temperature	1.60mm from body maximum 3 seconds	T <sub>SOL</sub>	260		°C

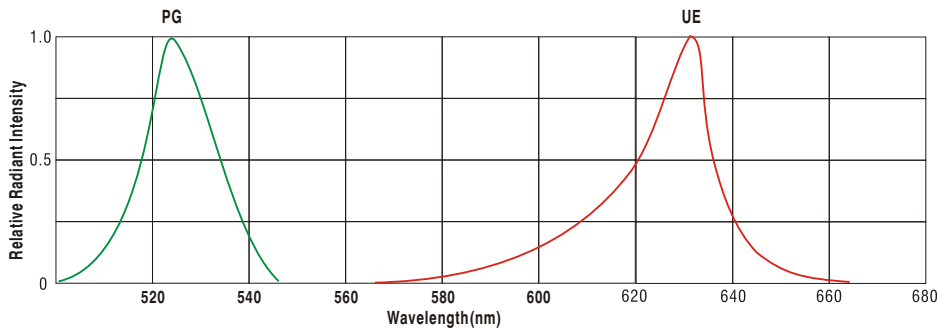


### ● Electrical And Optical Characteristics(Ta=25°C)

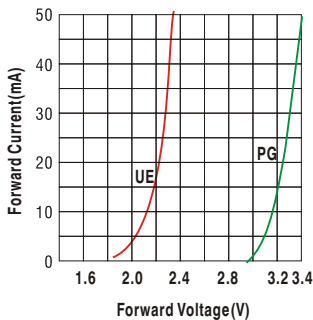
Parameter	Test Condition	Symbol	Colors	Typ.	Max.	Units
Forward Voltage	IF=20mA	V <sub>F</sub>	UE	2.00	2.50	V
Reverse Current	V <sub>R</sub> =5V	I <sub>R</sub>		---	10	μA
Peak Wavelength	IF=20mA	λ <sub>P</sub>		632	---	nm
Dominant Wavelength	IF=20mA	λ <sub>D</sub>		624	---	nm
Spectral Line Half-width	IF=20mA	Δλ		20	---	nm
Luminous Intensity	IF=20mA	I <sub>V</sub>		1200	---	mcd
Forward Voltage	IF=20mA	V <sub>F</sub>	PG	3.30	3.80	V
Reverse Current	V <sub>R</sub> =5V	I <sub>R</sub>		---	10	μA
Peak Wavelength	IF=20mA	λ <sub>P</sub>		525	---	nm
Dominant Wavelength	IF=20mA	λ <sub>D</sub>		520	---	nm
Spectral Line Half-width	IF=20mA	Δλ		35	---	nm
Luminous Intensity	IF=20mA	I <sub>V</sub>		4000	---	mcd
Viewing Angle	IF=20mA	2θ½	UEPG	30	---	deg.

### ● Typical electro-optical characteristics curves

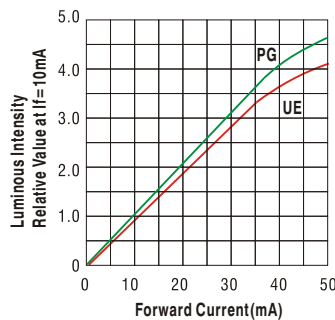
RELATIVE INTENSITY VS WAVELENGTH



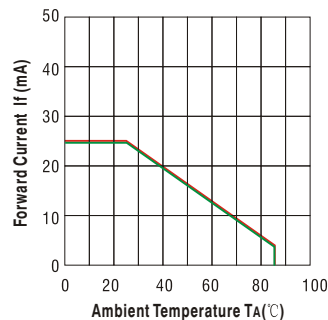
FORWARD CURRENT VS FORWARD VOLTAGE



LUMINOUS INTENSITY VS FORWARD CURRENT



FORWARD CURRENT DERATING CURVE



LUMINOUS INTENSITY VS AMBIENT TEMPERATURE

