



Features

- High efficiency
- Low Power consumption
- General purpose leads
- Selected minimum intensities
- Available on tape and reel
- Pb free

Descriptions

- The series is specially designed for applications requiring higher brightness
- The LED lamps are available with different colors, intensities, epoxy colors, etc
- Superior performance in outdoor environment

Usage Notes:

- The ultra bright LED is an electrostatic insensitive device, so static electricity and surge will damage the LED. It is required to wear a wrist-band when handling the LED. All device, equipment, machinery, desk and ground must be properly grounded
- When using LED, it must use a protective resistor in series with DC current about 20mA

Applications

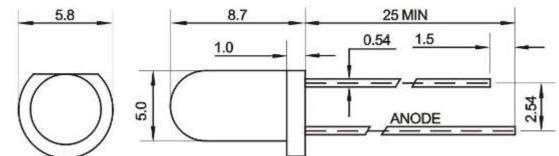
- Status indicators
- Commercial use
- Advertising Signs
- Back lighting

Device Selection Guide

LED Part No.	Cł	nip	Laws Oalar	
	Material	Emitted Color	Lens Color	
5-22-WC33-525D	InGaN	Green	Water clear	



Package Dimensions



UNIT:mm

Notes:

- Other dimensions are in millimeters, tolerance is 0.25mm except being specified.
- Protruded resin under flange is 1.5mm Max LED.
- Bare copper alloy is exposed at tie-bar portion after cutting.

Absolute Maximum Rating (Ta=25°C)

Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Pulse Current	I _{FPM}	70	mA
Forward Current	I _{FM}	30	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	140	mW
Operating Temperature	Topr	-40~+80	°C
Storage Temperature	Tstg	-40~+100	°C
Soldering Heat (5s)	Tsol	260	°C

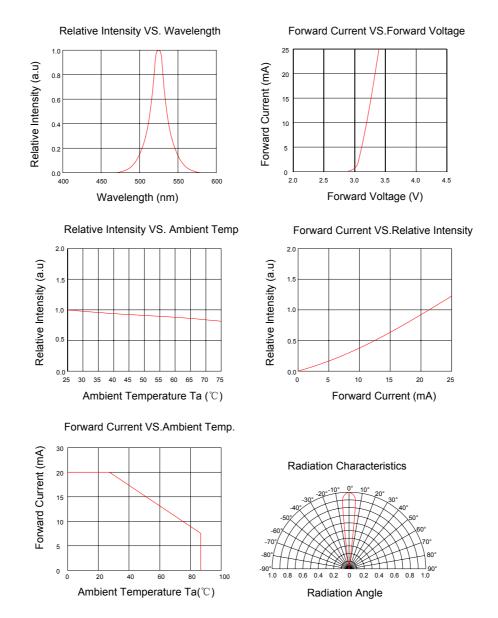
Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition
Luminous Intensity	Iv	4000	5000	6000	mcd	IF=20mA(Note1)
Viewing Angle	2 ^θ _{1/2}	10	15	20	Deg	(Note 2)
Peak Emission Wavelength	λp	520	525	530	nm	IF=20mA
Spectral Line Half-Width	$ riangle \lambda$	30	35	40	nm	IF=20mA
Forward Voltage	V _F	2.9		3.5	V	IF=20mA
Reverse Current	I _R			10	μΑ	VR=5V

Note:

- 1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- **2.** $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.



Typical Electro-Optical Characteristics Curves



Notes

- 1. Above specification may be changed without notice. EVER-LED will reserve authority on material change for above specification.
- 2. When using this product, please observe the absolute maximum ratings and the instructions for using outlined in these specification sheets. EVER-LED assumes no responsibility for any damage resulting from use of the product which does not comply with the absolute maximum ratings and the instructions included in these specification sheets.