



**S546TG4G-F+**  
**3.8 x 5.2mm Oval Pure-green Super Bright LED Lamps**

- 3.8 x 5.2mm Oval with InGaN Dice ◦
- Encapsulated with Water Clear Package ◦
- Long Leads with Stopper ◦

**Absolute Maximum Ratings :**

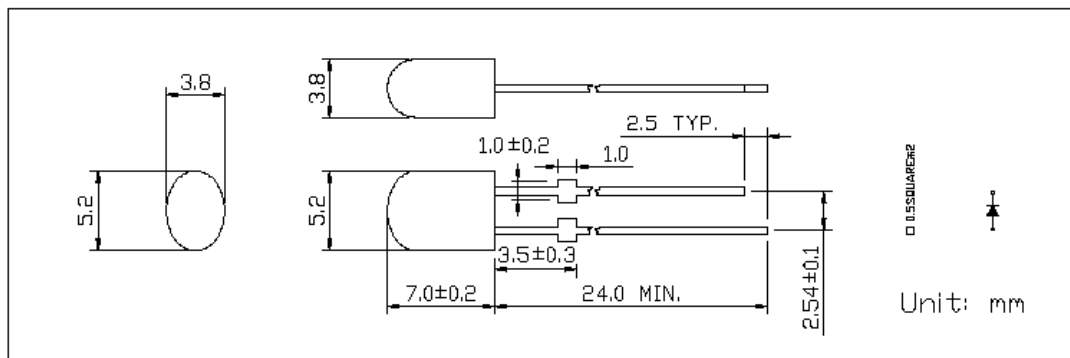
Parameter	Maximum Rating	Unit
Peak Forward Current	100	mA
Continuous Forward Current	20	mA
Operating Temperature Range	-40°C to +85°C	
Storage Temperature Range	-40°C to +80°C	
Lead Soldering Temperature	260°C for 3 seconds 1.6mm (0.063 inch) from body	

**Electro-Optical Characteristics (Ta = 25°C)**

Parameter	Test Condition	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage	IF = 20mA	Vf	3.00		3.40	V
Reverse Current	VR = 5V	Ir			1	uA
Luminous Intensity	IF = 20mA	Iv	3600	4000	4800	mcd
Wavelength	IF = 20mA	λp				nm
		λd	520		525	nm
Viewing Angle	IF = 20mA	2 θ1/2		70/30		deg

**Package**

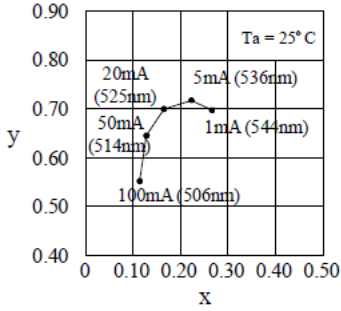
Item: 546+



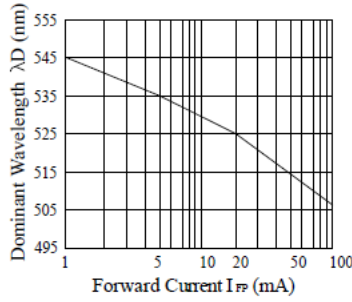


## Typical Characteristic for Super Bright Green LED

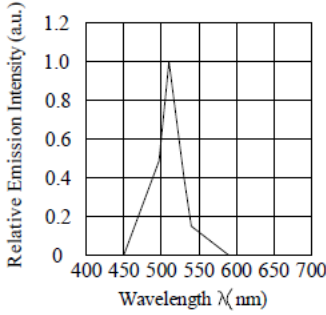
Forward Current vs. Chromaticity Coordinate ( $\lambda D$ )



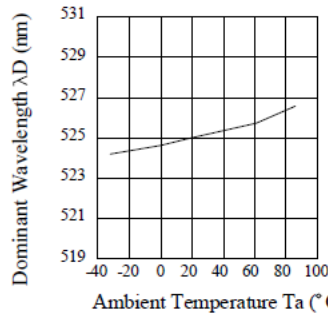
Forward Current vs. Dominant Wavelength



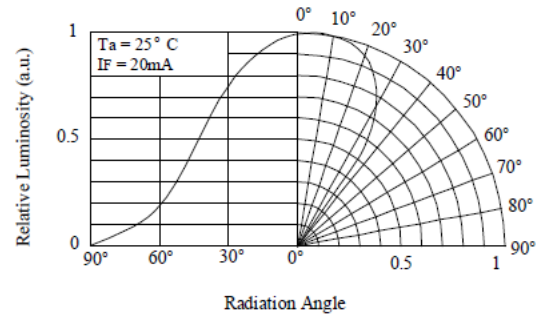
Spectrum



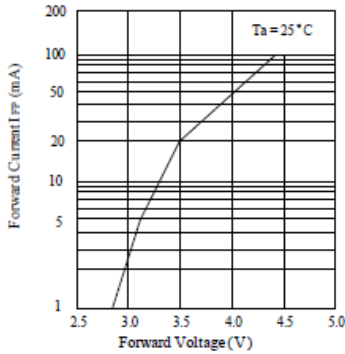
Ambient Temperature vs. Dominant Wavelength



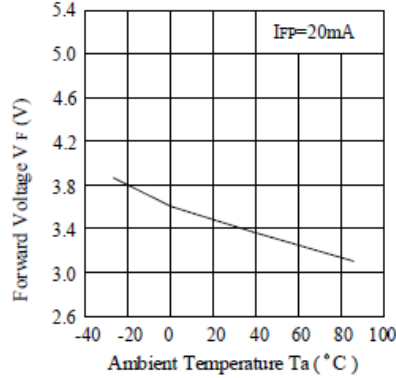
Directivity (Angle : 70°)



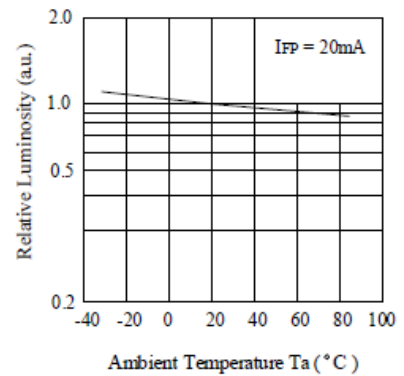
Forward Voltage vs. Forward Current



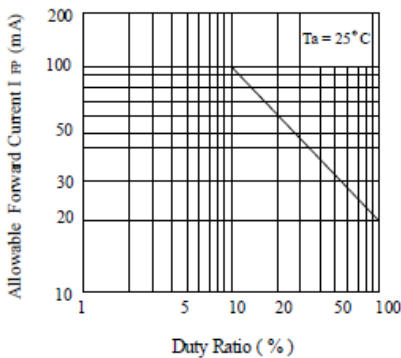
Ambient Temperature vs. Forward Voltage



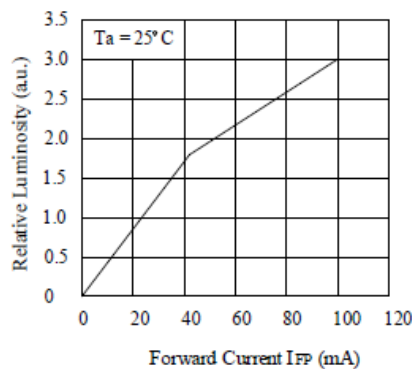
Ambient Temperature vs. Relative Luminosity



Duty Ratio vs. Allowable Forward Current



Forward Current vs. Relative Luminosity



Ambient Temperature vs. Allowable Forward Current

