

Series L3 / Ø 3mm

Colour: green

Sloan Part No.: L3-G51N-GUV

Electrical and Optical Characteristics (T_A = 25°C)

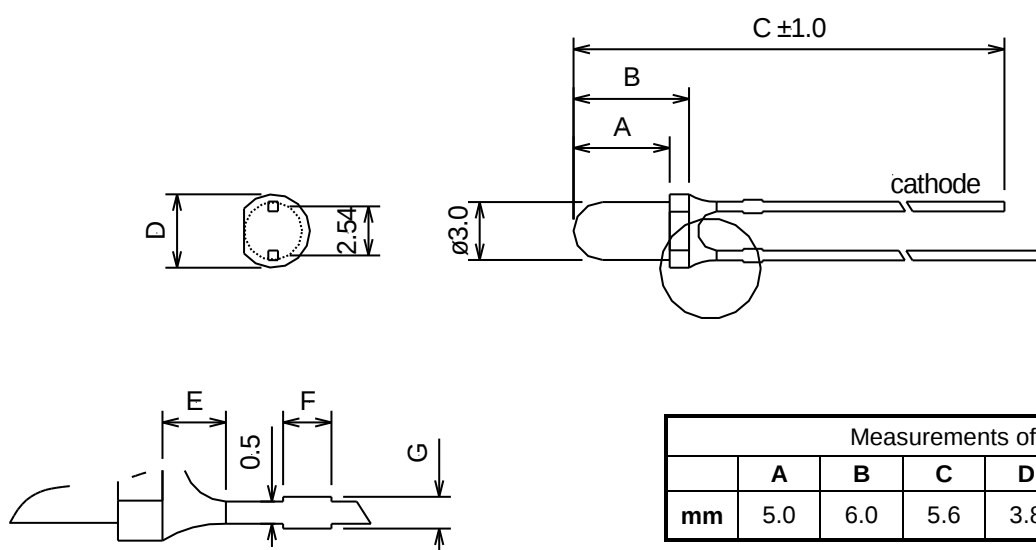
Chip			Lens	Absolute Maximum Rating				Electro-Optical-Data's at 20mA					Viewing Angle
Emitted Colour	Peak Wavelength λ _p (nm)	Dominant Wavelength λ _p (nm)		Δλ (nm)	Pd (mW)	If (mA)	Peak If (mA)	Forward Voltage Vf (V)		Luminous Intensity I _v (mcd)			2 θ ½ (deg)
								typ.	max.	min.		max.	
green	525	525	water clear	-	120	30	*100	3.6	4.0	7400		14000	30°

*Peak Forward Current (1/10 Duty Cycle, 10ms Pulse Width)

Absolute Maximum Ratings (T_A = 25°C)

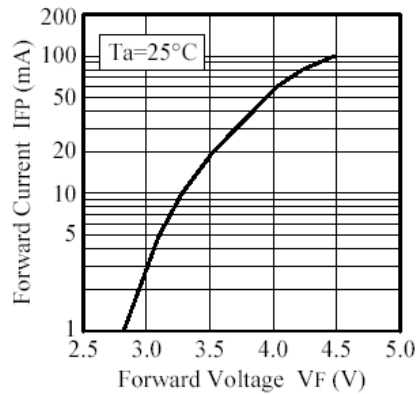
Reverse Voltage	5V
Reverse Current (V _R = 5V)	≤50μA
Operating Temperature Range	- 30°C ~ +85°C
Storage Temperature Range	- 40°C ~ +100°C
Lead Soldering Temperature (3mm below the body)	300°C for 3 seconds

Package Dimensions

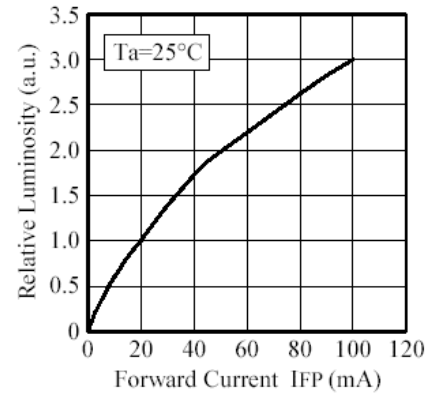


1. All dimensions are in millimetres.
2. Tolerance is ±0.25mm unless otherwise specified.
3. Lead spacing is measured where the leads emerge from the package
4. Specifications are subject to change without notice.

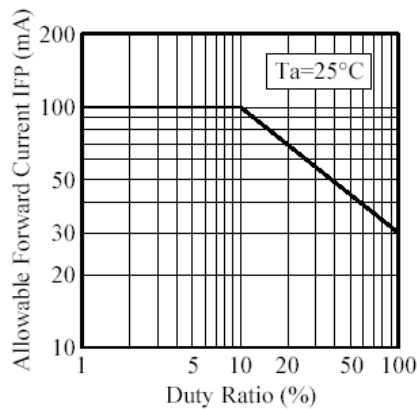
■ Forward Voltage vs.
Forward Current



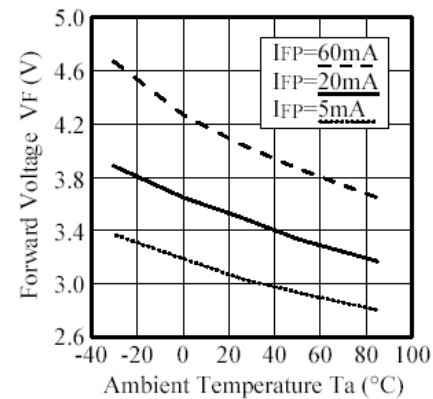
■ Forward Current vs.
Relative Luminosity



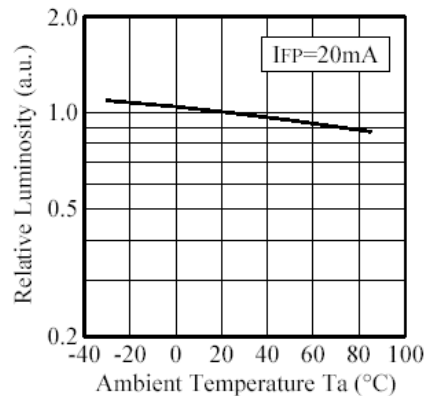
■ Duty Ratio vs.
Allowable Forward Current



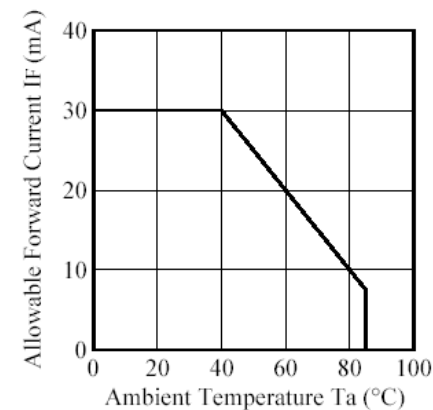
■ Ambient Temperature vs.
Forward Voltage



■ Ambient Temperature vs.
Relative Luminosity



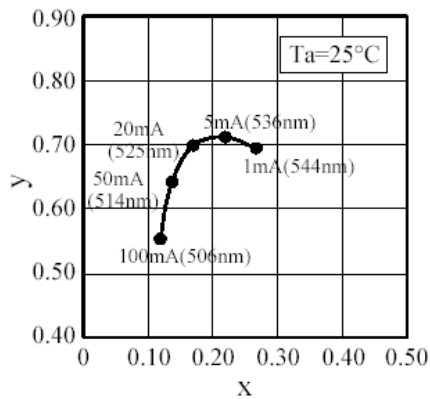
■ Ambient Temperature vs.
Allowable Forward Current



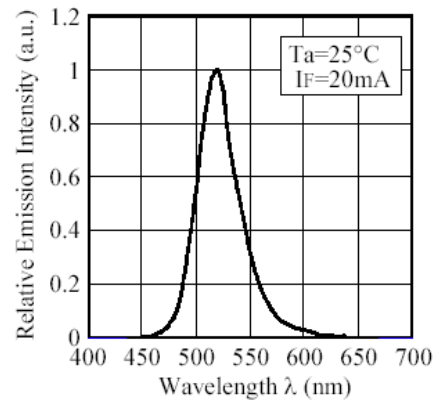
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Electrical and Optical Characteristics ($T_A = 25^\circ\text{C}$)

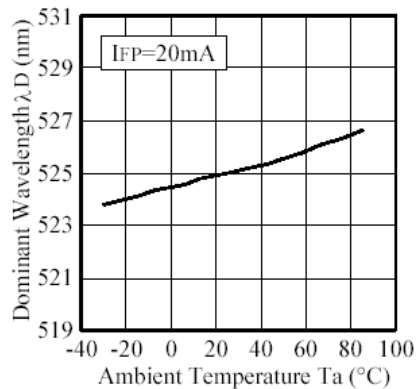
■ Forward Current vs. Chromaticity Coordinate (λ_D)



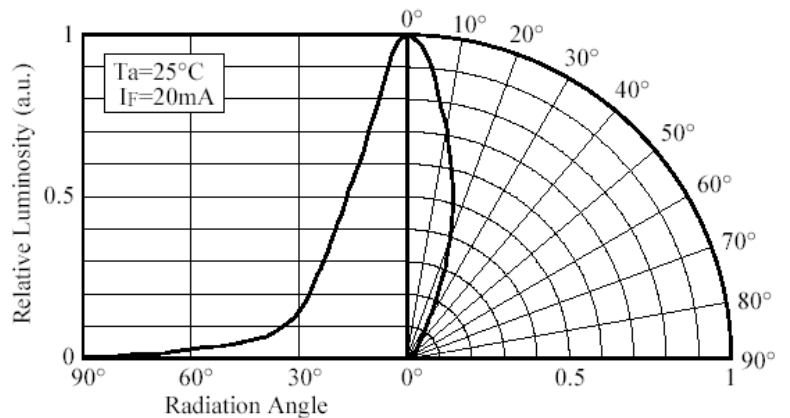
■ Spectrum



■ Ambient Temperature vs. Dominant Wavelength



■ Directivity



Soldering:

Dip Soldering		Soldering	
Pre-Heat	120°C Max.	Temperature	350°C Max.
Pre-Heat Time	60 seconds Max.	Soldering Time	3 seconds Max.
Solder Bath	260°C Max.	Position	No closer than 3 mm from the base of the epoxy bulb.
Temperature			
Dipping Time	10 seconds Max.		
Dipping Position	No lower than 3 mm from the base of the epoxy bulb.		