

Series L5 / Ø 5mm, T-1 3/4

Colour: green

Sloan Part No.: L5-G81N-GUV

Electrical and Optical Characteristics (T_A = 25 C)

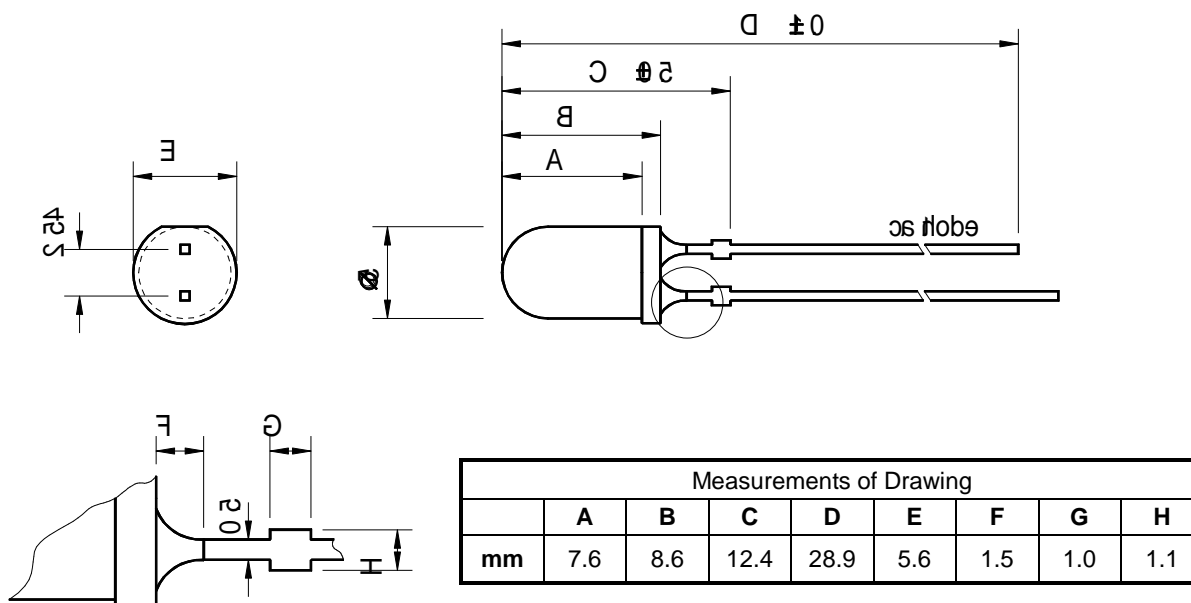
Chip			Lens	Absolute Maximum Rating				Electro-optical Data (At 20mA)					Viewing Angle 2 θ 1/2 (deg)
Emitted Colour	Peak Wave Length λp(nm)	Dominant Wave Length λp(nm)		Δλ (nm)	Pd (mW)	If (mA)	Peak If (mA)	Vf (V)		Iv Typ. (mcd)			
			Typ.					Max	Min.	Typ	Max.		
green	525	525	water clear	-	126	35	110	3.2	3.6	21650	32500	43300	15

Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)

Absolute Maximum Ratings (T_A = 25 C)

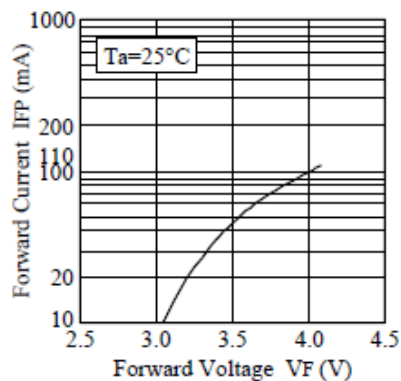
Reverse Voltage	5V
Reverse Current (V _R = 5V)	≤50μA
Operating Temperature Range	- 30°C ~ 85°C
Storage Temperature Range	- 40°C ~ 100°C
Lead Soldering Temperature (3mm below the body)	265°C for 10 seconds

Package Dimensions

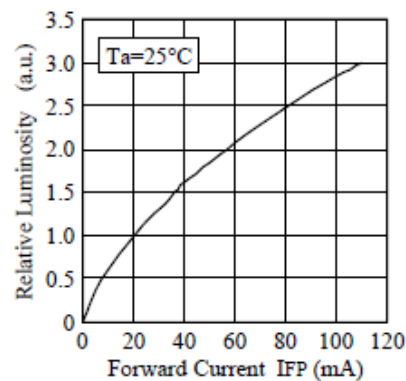


- NOTES: 1. All dimensions are in millimeters.
 2. Tolerance is + 0.25mm unless otherwise specified.
 3. Lead spacing is measured where the leads emerge from the package
 4. Specifications are subject to change without notice.

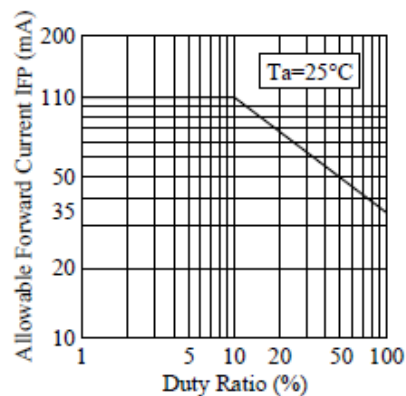
■ Forward Voltage vs. Forward Current



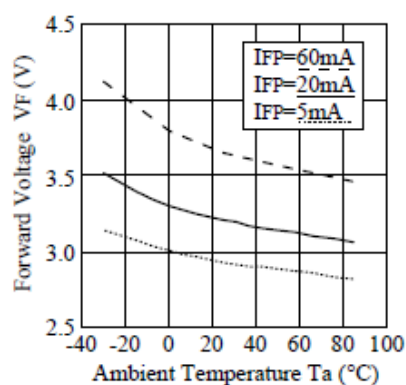
■ Forward Current vs. Relative Luminosity



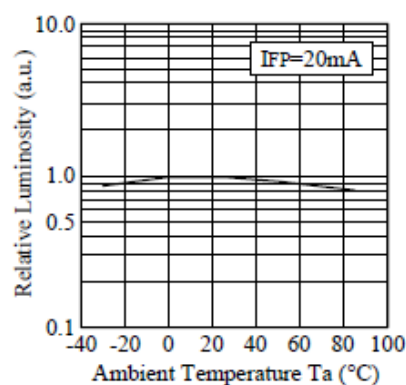
■ Duty Ratio vs. Allowable Forward Current



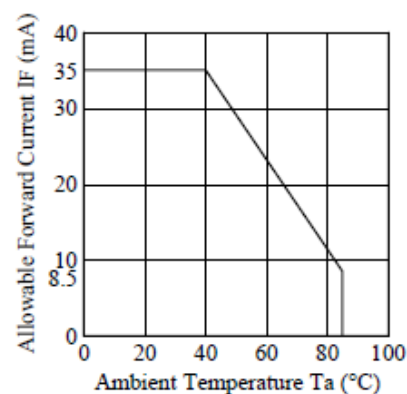
■ Ambient Temperature vs. Forward Voltage



■ Ambient Temperature vs. Relative Luminosity



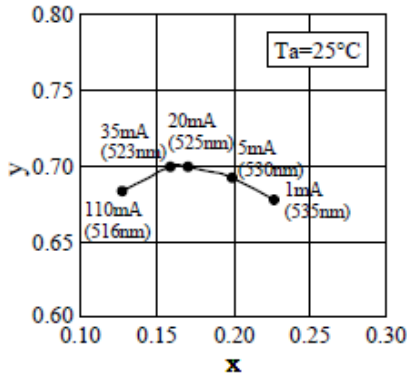
■ Ambient Temperature vs. Allowable Forward Current



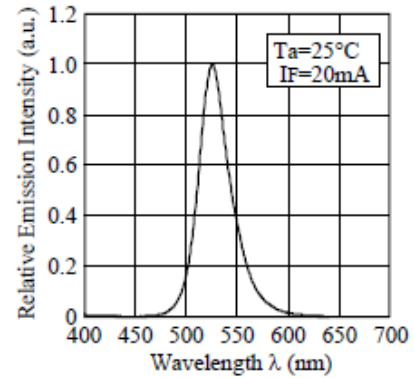
Sloan Part No.: L5-G81N-GUV

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

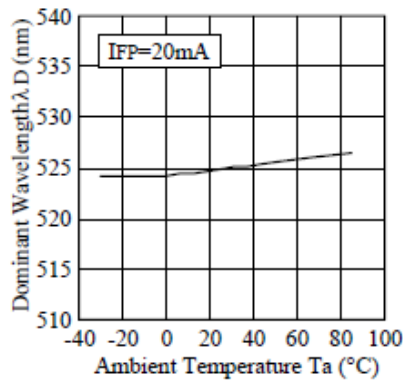
■ Forward Current vs. Chromaticity Coordinate (λ_D)



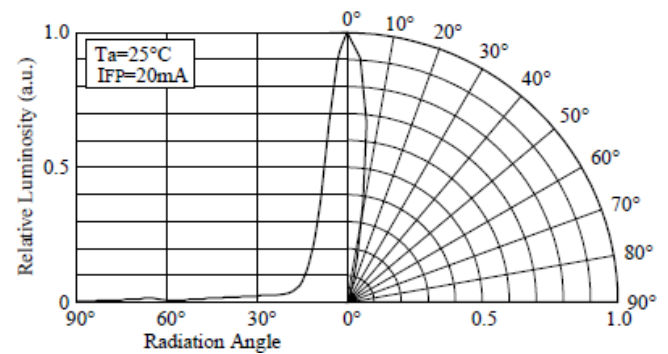
■ Spectrum



■ Ambient Temperature vs. Dominant Wavelength



■ Directivity



Soldering:

Dip Soldering		Hand 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.		