

Series L5 / Ø 5mm, T-1 3/4

Colour: blue

Sloan Part No.: L5-B61G-WT

Electrical and Optical Characteristics (T_A = 25 C)

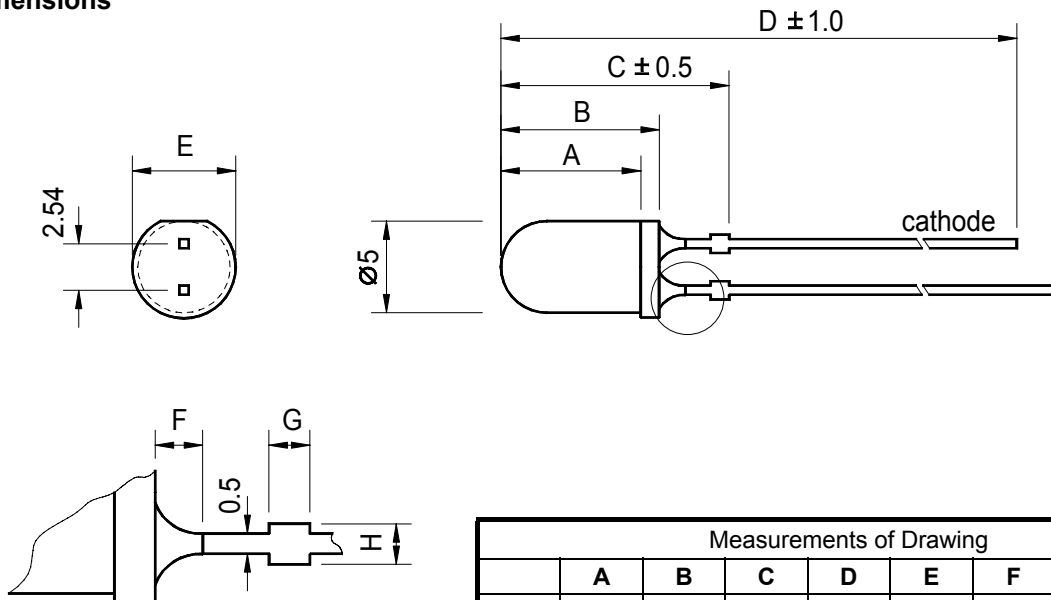
Chip			Lens	Absolute Maximum Rating				Electro-optical Data (At 20mA)					Viewing Angle 2 θ ½ (deg)
Emitted Colour	Peak Wave Length λp(nm)	Dominant Wave Length λp(nm)		Δλ (nm)	Pd (mW)	If (mA)	Peak If (mA)	Vf (V)		Iv Typ. (mcd)			
			Min.					Max	Min.	Typ	Max.		
blue	470	470	water clear	-	120	30	100	3.6	4.0	960	1160	1380	45

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

Absolute Maximum Ratings (T_A = 25 C)

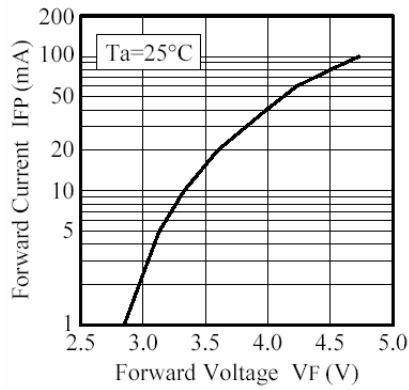
Reverse Voltage	5V
Reverse Current (V _R = 5V)	≤50μA
Operating Temperature Range	- 30°C ~ 85°C
Storage Temperature Range	- 40°C ~ 100°C
Lead Soldering Temperature (3mm below the body)	350°C for 3 seconds

Package Dimensions

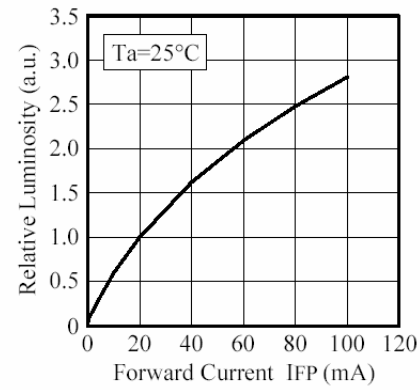


- NOTES:
1. All dimensions are in millimeters.
 2. Tolerance is + 0.25mm unless otherwise specified.
 3. Lead spacing is measured where the leads emerge from the package
 4. Specifications are subject to change without notice.

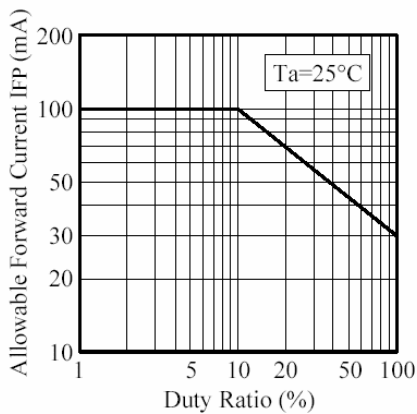
■ Forward Voltage vs. Forward Current



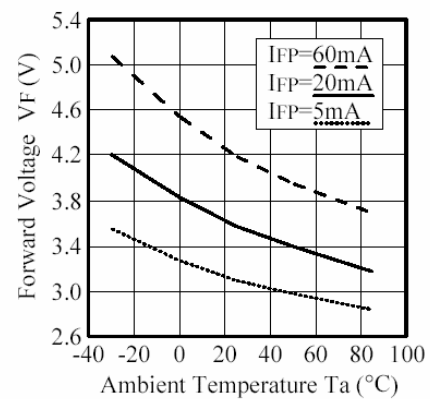
■ Forward Current vs. Relative Luminosity



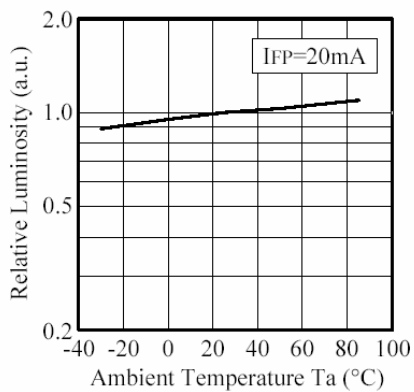
■ Duty Ratio vs. Allowable Forward Current



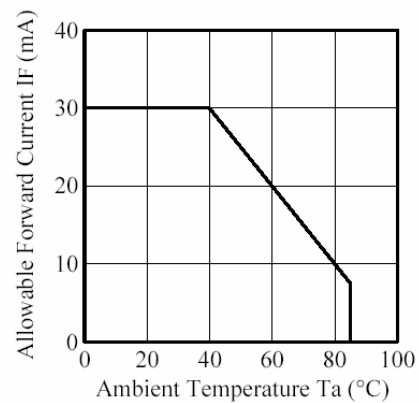
■ Ambient Temperature vs. Forward Voltage



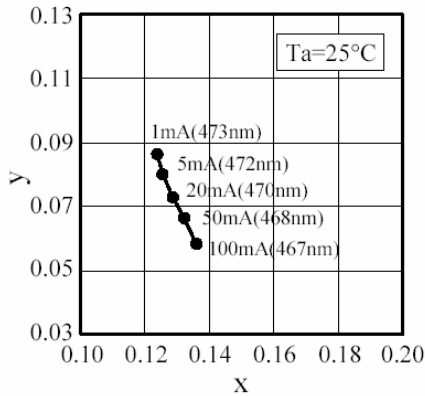
■ Ambient Temperature vs. Relative Luminosity



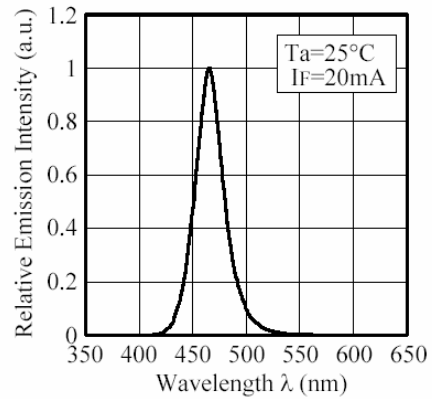
■ Ambient Temperature vs. Allowable Forward Current



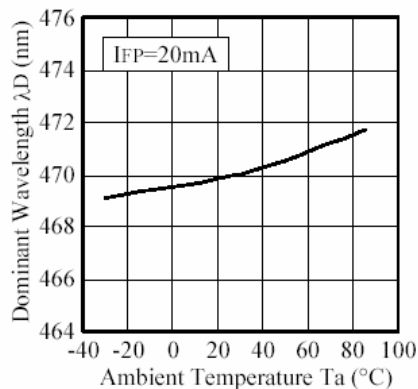
■ Forward Current vs. Chromaticity Coordinate (λ_D)



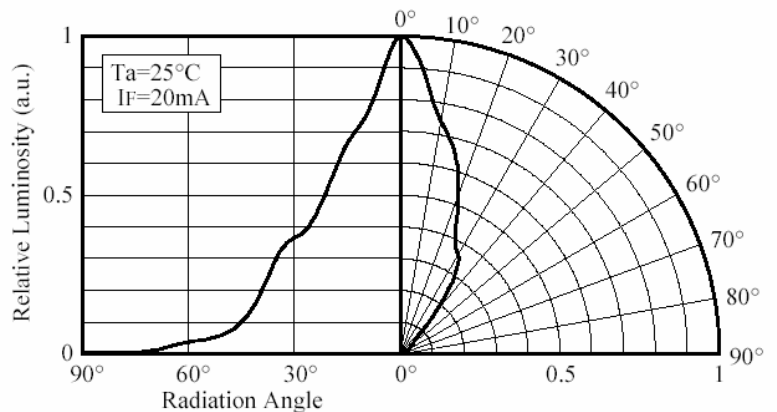
■ Spectrum



■ 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 Temperature	260°C Max.	Position	No closer than 3 mm from the base of the epoxy bulb.
Dipping Time	10 seconds Max.		
Dipping Position	No lower than 3 mm from the base of the epoxy bulb.		