

# Series L5 / Ø 5mm, T-1 3/4

Colour: bluish-green

Sloan Part No.: L5-BG1G

## Electrical and Optical Characteristics (T<sub>A</sub> = 25 C)

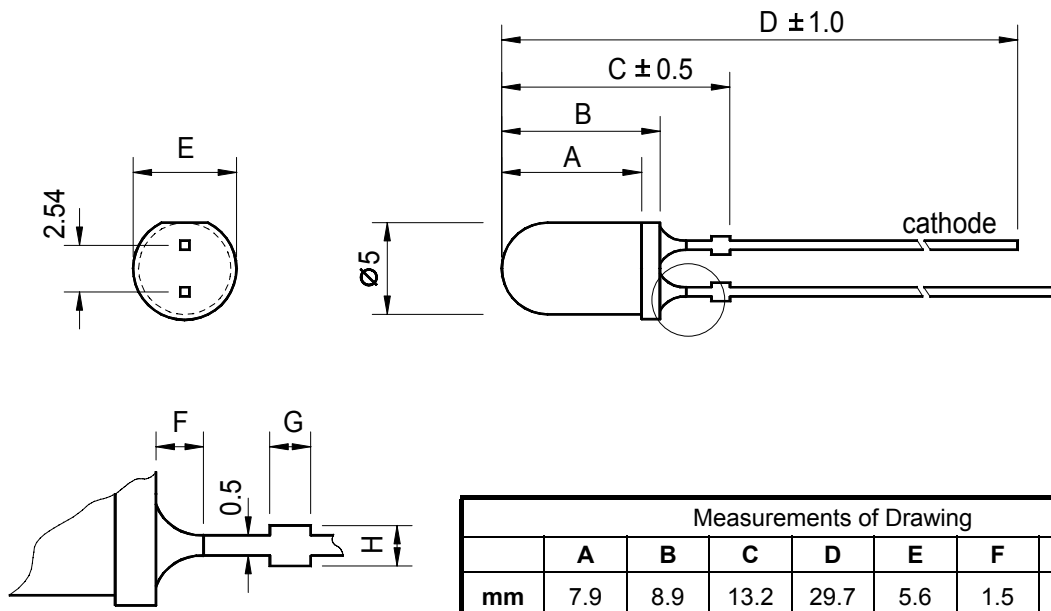
Chip			Lens	Absolute Maximum Rating				Electro-optical Data (At 20mA)					Viewing Angle 2 θ ½ (deg)
Emitted Colour	Peak Wave Length λ <sub>p</sub> (nm)	Dominant Wave Length λ <sub>p</sub> (nm)		Δλ (nm)	Pd (mW)	I <sub>f</sub> (mA)	Peak I <sub>f</sub> (mA)	V <sub>f</sub> (V)		I <sub>v</sub> Typ. (mcd)			
			Min.					Max	Min.	Typ	Max.		
bluish-green	500	500	water clear	-	120	30	100	3.6	4.0	3200	3920	4600	30

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

## Absolute Maximum Ratings (T<sub>A</sub> = 25 C)

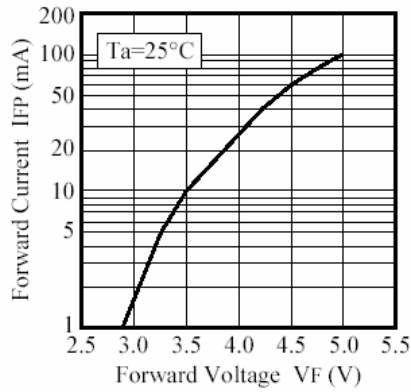
Reverse Voltage	5V
Reverse Current (V <sub>R</sub> = 5V)	≤50μA
Operating Temperature Range	- 30°C ~ 85°C
Storage Temperature Range	- 40°C ~ 100°C
Lead Soldering Temperature (3mm below the body)	350°C for 3 seconds

## Package Dimensions

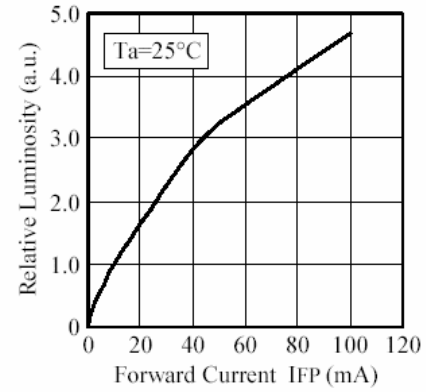


- NOTES:
1. All dimensions are in millimeters.
  2. Tolerance is + 0.25mm unless otherwise specified.
  3. Lead spacing is measured where the leads emerge from the package
  4. Specifications are subject to change without notice.

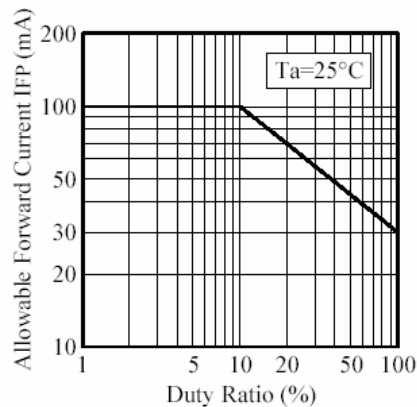
■ Forward Voltage vs. Forward Current



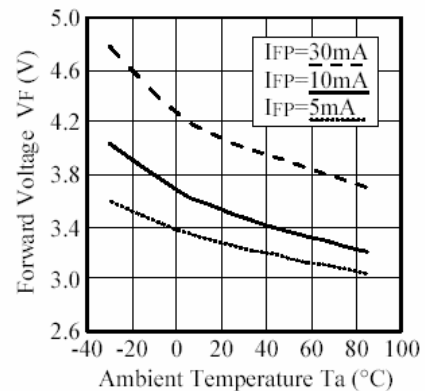
■ Forward Current vs. Relative Luminosity



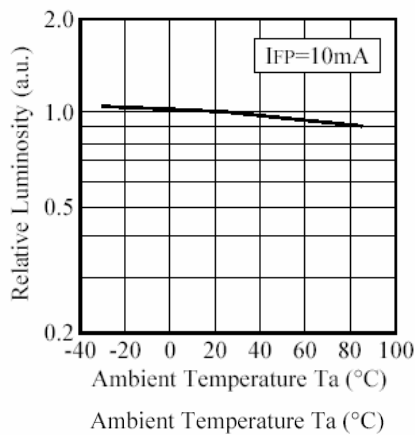
■ Duty Ratio vs. Allowable Forward Current



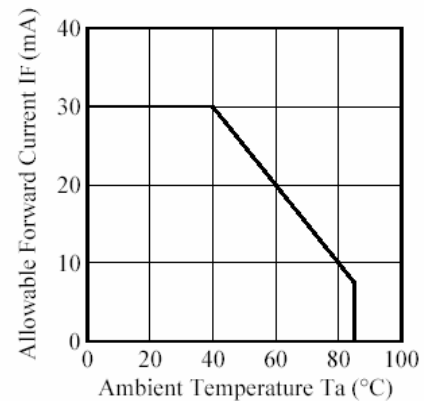
■ Ambient Temperature vs. Forward Voltage



■ Ambient Temperature vs. Relative Luminosity



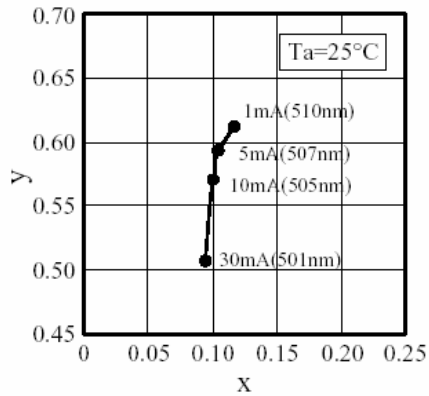
■ Ambient Temperature vs. Allowable Forward Current



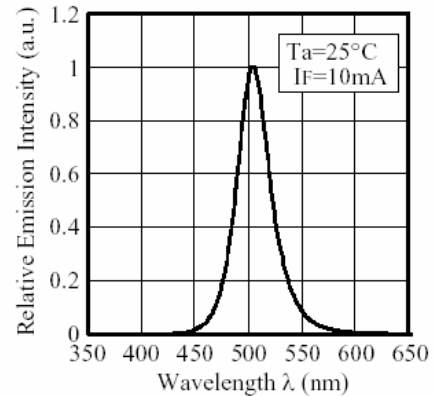
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Electrical and Optical Characteristics ( $T_A = 25\text{ C}$ )

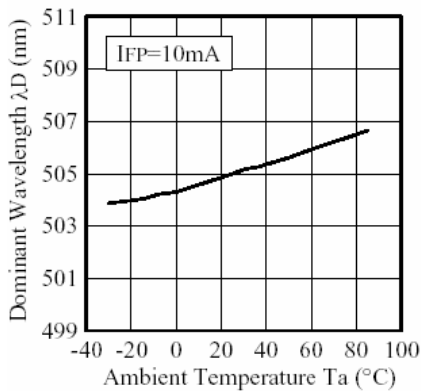
■ Forward Current vs. Chromaticity Coordinate ( $\lambda_D$ )



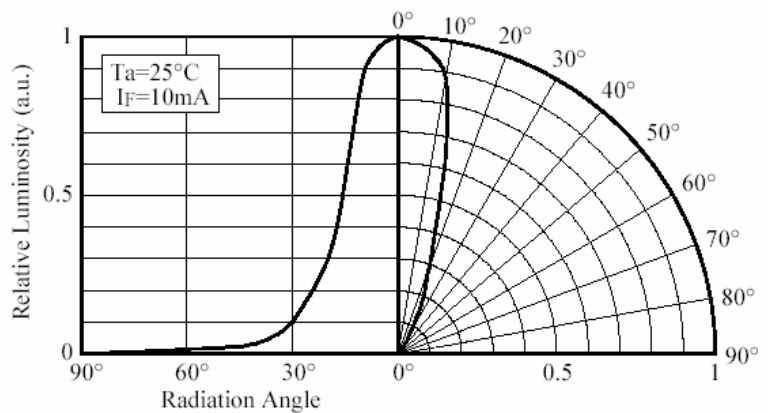
■ Spectrum



■ 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.		