Series L5 / Ø 5mm, T-1 ¾

Colour: bluish-green

Sloan Part No.: L5-BG1N

SLOAN AG
Birmannsgasse 8
CH-4009 Basel
Tel. ++41 61 264 10 60
Fax. ++41 61 261 10 75
info@sloan-basel.com

Electrical and Optical Characteristics (T_A = 25 C)

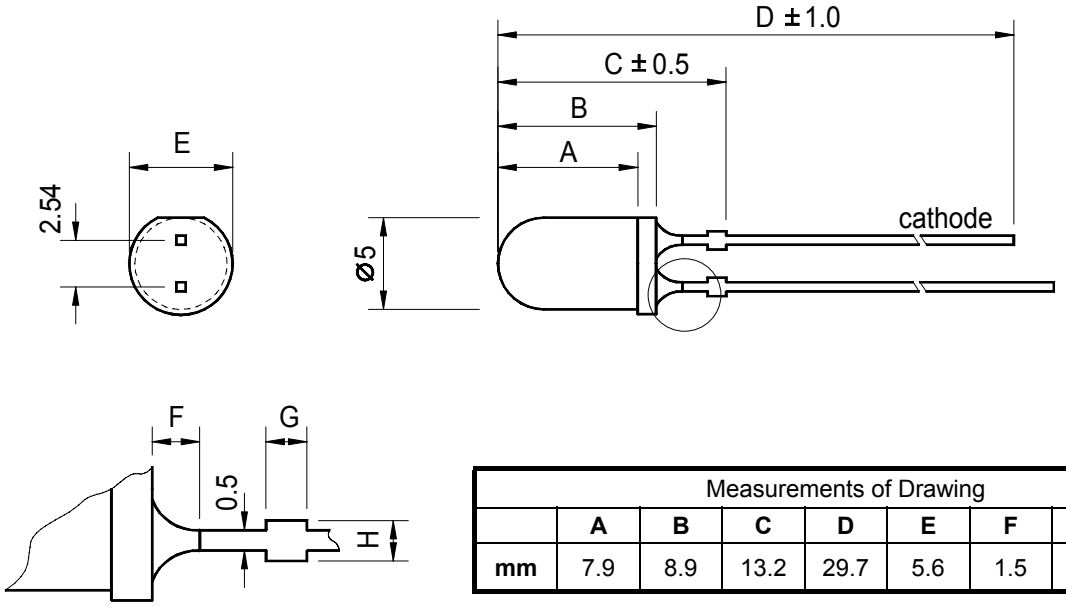
Chip			Lens	Absolute Maximum Rating				Electro-optical Data (At 20mA)					Viewing Angle
Emited Colour	Peak Wave Length λp(nm)	Dominant Wave Length λp(nm)		Δλ (nm)	Pd (mW)	If (mA)	Peak If (mA)	Vf (V)		Iv Typ. (mcd)			2 θ ½ (deg)
								Min.	Max	Min.	Typ	Max.	
bluish-green	500	500	water clear	-	120	30	100	3.6	4.0	10000	12000	14200	10

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



Measurements of Drawing								
	A	**B**	**C**	**D**	**E**	**F**	**G**	**H**
mm	7.9	8.9	13.2	29.7	5.6	1.5	1.0	1.1

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.

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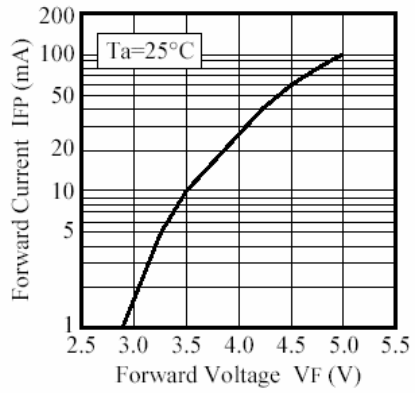
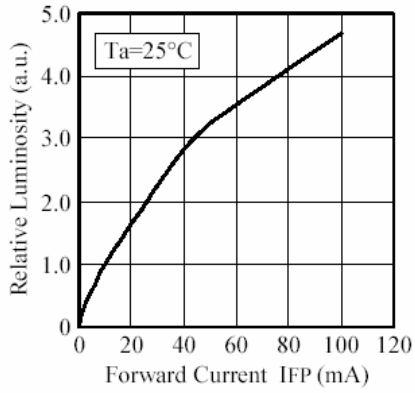
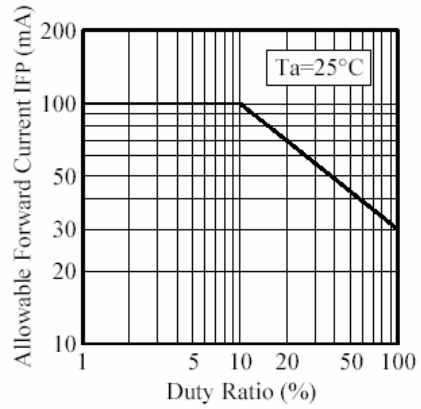
■ Forward Voltage vs. Forward Current



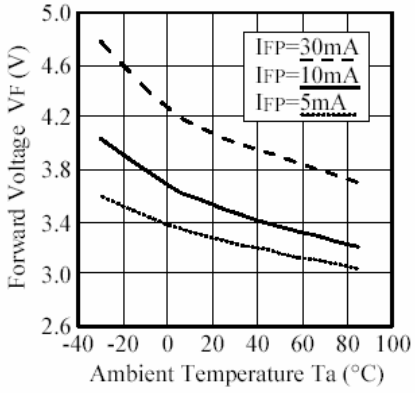
■ Forward Current vs. Relative Luminosity



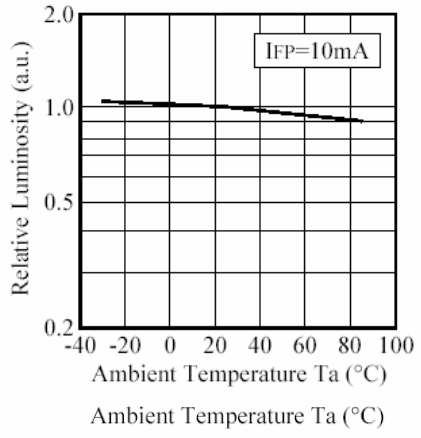
■ Duty Ratio vs. Allowable Forward Current



■ Ambient Temperature vs. Forward Voltage

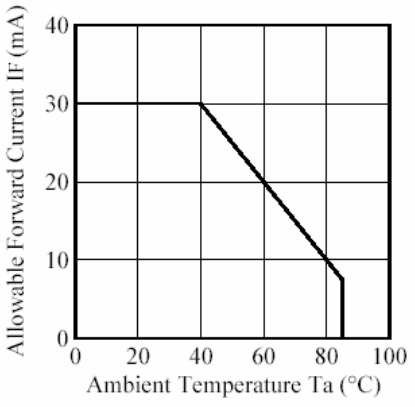


■ Ambient Temperature vs. Relative Luminosity



Ambient Temperature Ta (°C)

■ Ambient Temperature vs. Allowable Forward Current



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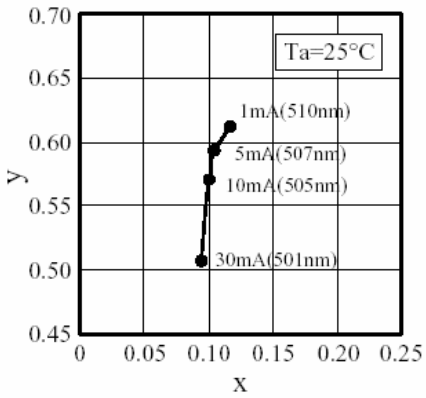
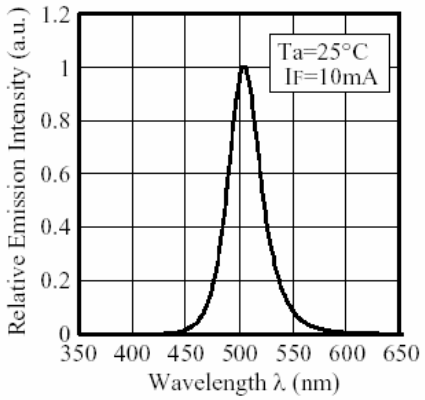
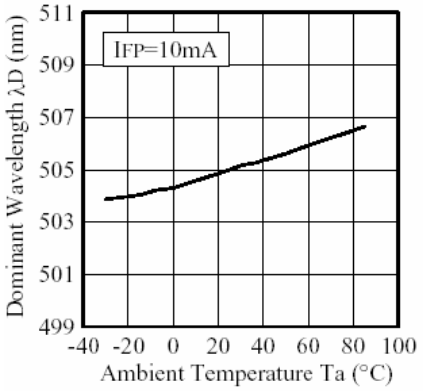
■ Forward Current vs. Chromaticity Coordinate (λD)



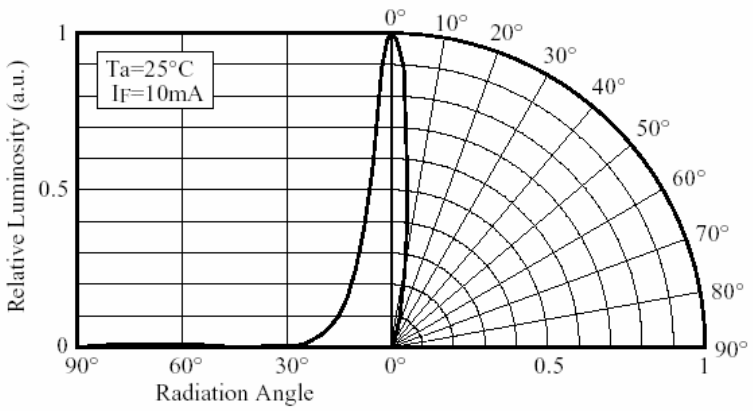
■ Spectrum



■ 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.		