

Series L5 / Ø 5mm

Colour: white

Sloan Part No.: L5-W53N-BVW

Electrical and Optical Characteristics (T_A = 25°C)

Chip			Lens	Absolute Maximum Ratings			Electro-Optical-Data's at 20mA						Viewing Angle
Emitted Colour	Chromaticity Coordinates	Colour Temp. (°K)		Pd (mW)	If (mA)	Peak If (mA)	Forward Voltage Vf (V)			Luminous Intensity Iv (mcd)			2 θ ½ (deg)
							min.	typ.	max.	min.	typ.	max.	
white	x =0.31 y =0.32	5500-9000	water clear	105	30	100	* -	3.2	3.5	5200		10400	45°

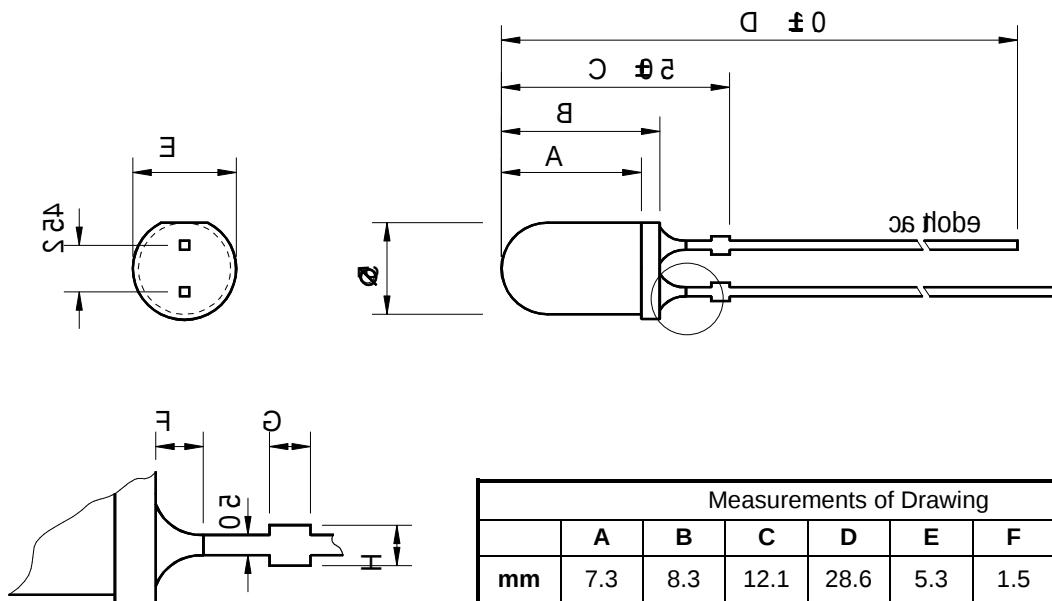
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)

* Minimum Forward Voltage is not exactly specified.

Absolute Maximum Ratings (T_A = 25°C)

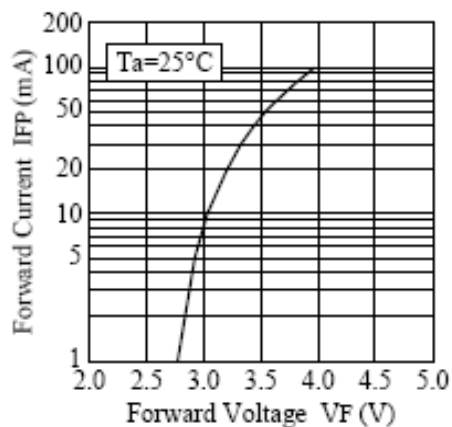
Reverse Voltage	5V
Reverse Current (V _R = 5V)	≤50μA
Operating Temperature Range	- 30°C ~ +85°C
Storage Temperature Range	- 40°C ~ +100°C
Lead Soldering Temperature (3mm below the body)	350°C for 3 seconds

Package Dimensions

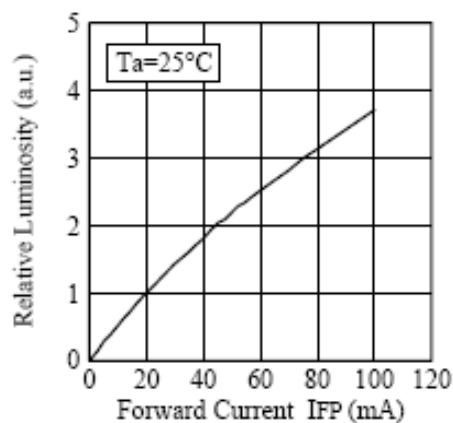


1. All dimensions are in millimetres.
2. Tolerance is ±0.25mm unless otherwise specified.
3. Lead spacing is measured where the leads emerge from the package
4. Specifications are subject to change without notice.

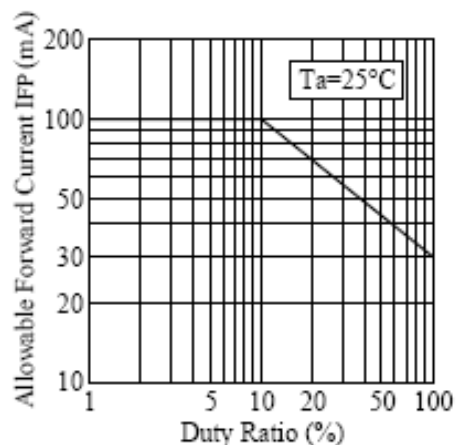
Forward Voltage vs.
Forward Current



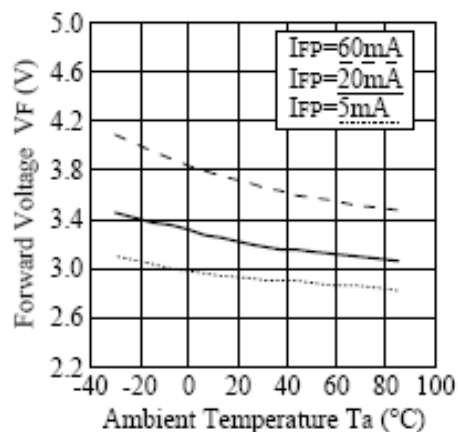
Forward Current vs.
Relative Luminosity



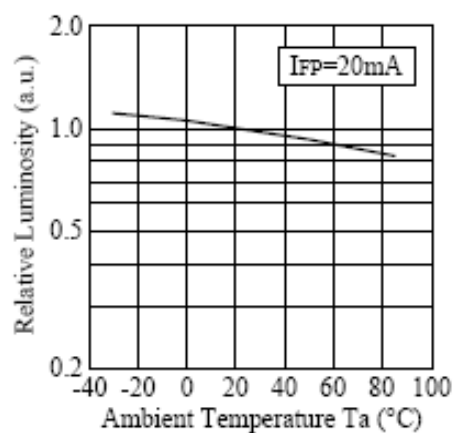
Duty Ratio vs.
Allowable Forward Current



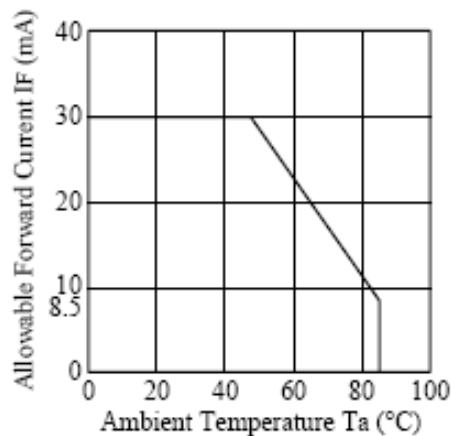
Ambient Temperature vs.
Forward Voltage



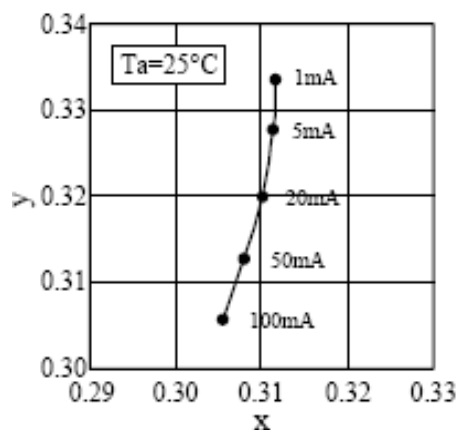
Ambient Temperature vs.
Relative Luminosity



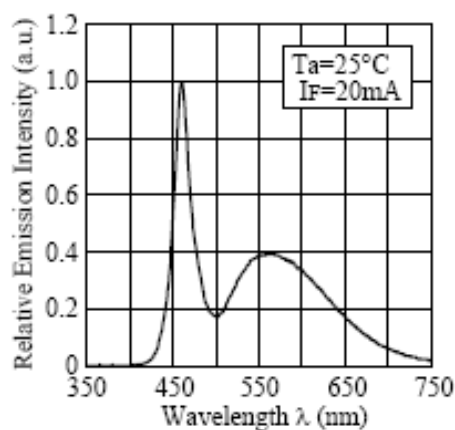
Ambient Temperature vs.
Allowable Forward Current



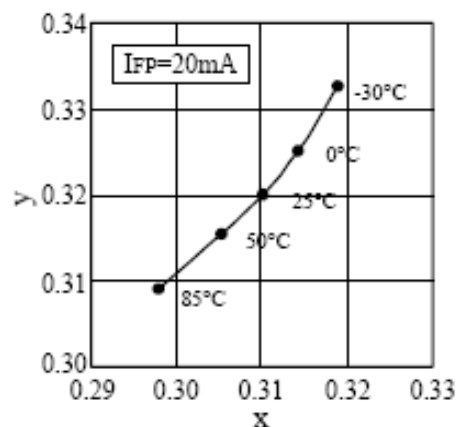
Forward Current vs. Chromaticity Coordinate



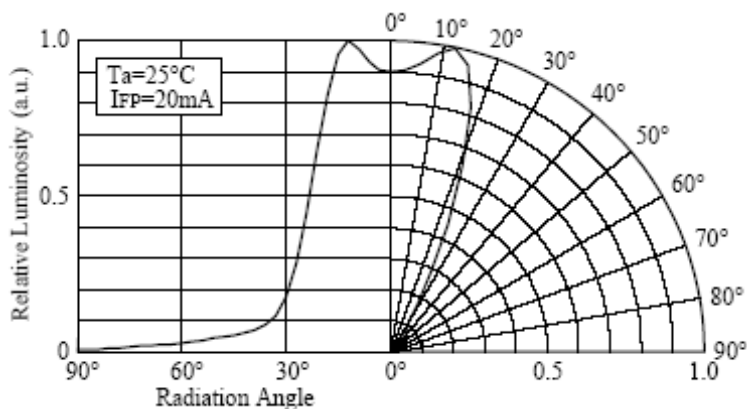
Spectrum



Ambient Temperature vs. Chromaticity Coordinate



Directivity



Recommended soldering conditions

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.		



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