

Series L5 / Ø 5mm

Colour: white

Sloan Part No.: L5-W6RF

SLOAN
PRECISION OPTOELECTRONICS

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)

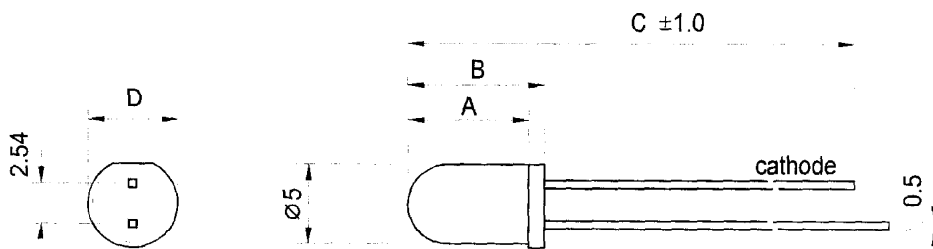
Chip		Lens	Absolute Maximum Rating				Electro-optical Data (At 20mA)					Viewing Angle 2 θ ½ (deg)
Emitted Colour	Chromaticity Coordinates		Δλ (nm)	Pd (mW)	If (mA)	Peak If (mA)	Vf (V)		Iv Typ. (mcd)			
		Min.	Max.	Min.	Typ.	Max.						
white	x = 0.287 – 0.330 y = 0.295 – 0.318	water clear	-	100	20	100	3.2	4.0	18000	22000	-	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	- 40°C ~ +80°C
Storage Temperature Range	- 40°C ~ +80°C
Lead Soldering Temperature (4mm below the body)	260°C for 3 seconds

Package Dimensions



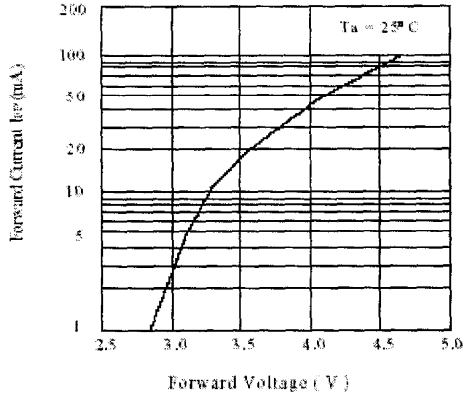
Measurements of Drawing				
	A	B	C	D
mm	7.7	8.7	35.2	5.8

- 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.

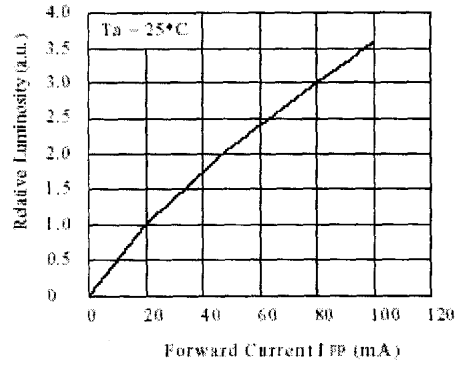
Sloan Part No.: L5-W6RF
 Electrical and Optical Characteristics ($T_A = 25\text{ C}$)



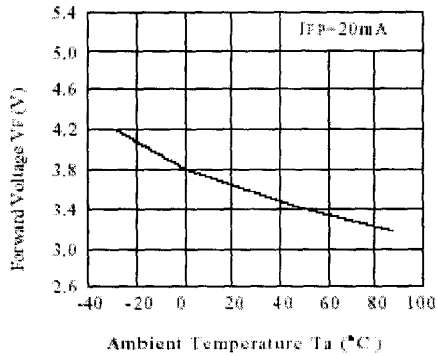
Forward Voltage vs.
 Forward Current



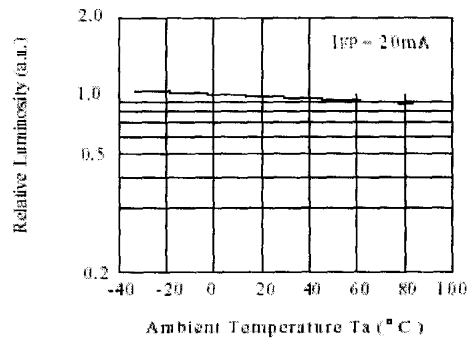
Forward Current vs.
 Relative Luminosity



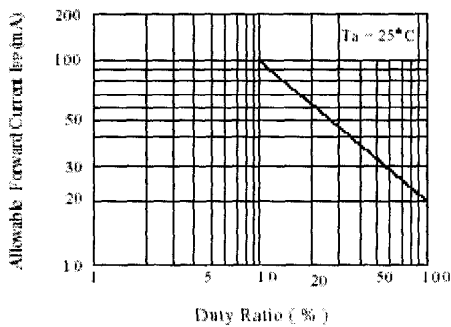
Ambient Temperature vs.
 Forward Voltage



Ambient Temperature vs.
 Relative Luminosity



Duty Ratio vs.
 Allowable Forward Current



Ambient Temperature vs.
 Allowable Forward Current

