

Series L5 / Ø 5mm, T-1 ¾

Colour: yellow

Sloan Part No.: L5-Y40ER

Electrical and Optical Characteristics (T_A = 25 C)

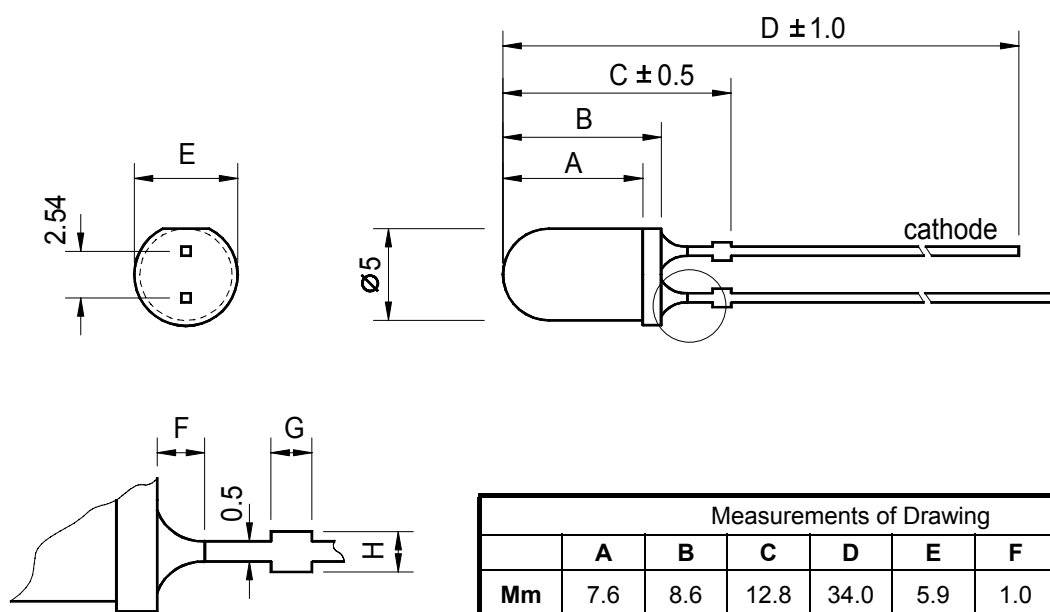
Chip			Lens	Absolute Maximum Rating				Electro-optical Data (At 20mA)					Viewing Angle
Emited Colour	Peak Wave Length λp(nm)	Dominant Wave Length λp(nm)		Δλ (nm)	Pd (mW)	If (mA)	Peak If (mA)	Vf (V)		Iv Typ. (mcd)			2 θ ½ (deg)
								Min.	Max	Min.	Typ	Max.	
yellow	592	590	water clear	20	80	30	160	2.3	2.8	1680	-	3600	40

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)	≤100μA
Operating Temperature Range	- 40°C ~ 100°C
Storage Temperature Range	- 40°C ~ 100°C
Lead Soldering Temperature (1.6mm below the body)	260°C for 5 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.

FIG. 1 Forward Current Vs. Forward Voltage

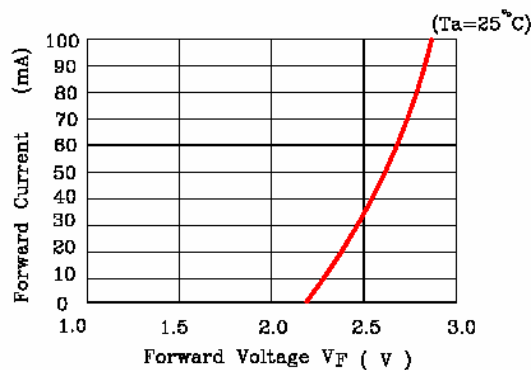


FIG. 2 Relative Intensity Vs. Forward Current

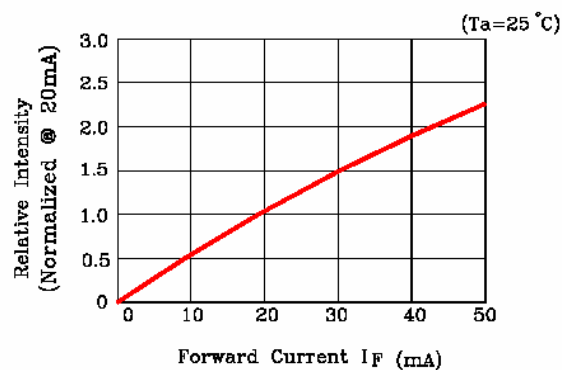


FIG. 4 Relative Intensity vs. Temperature

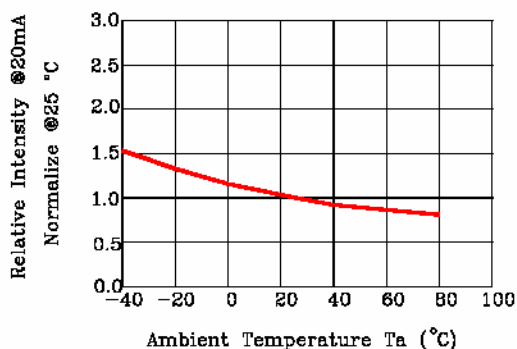


FIG. 6 Maximum Forward Current vs. Ambient Temperature. Derating Based on $T_{MAX} = 130^\circ\text{C}$

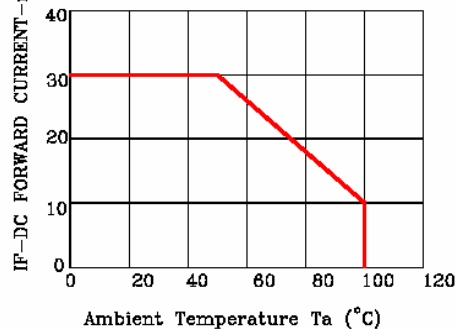


FIG. 5 Relative Intensity vs. Wavelength (λ p)

