

Series L5 / Ø 5mm, T-1 3/4

Colour: yellow

Sloan Part No.: L5-Y40ER

Electrical and Optical Characteristics (T_A = 25 C)

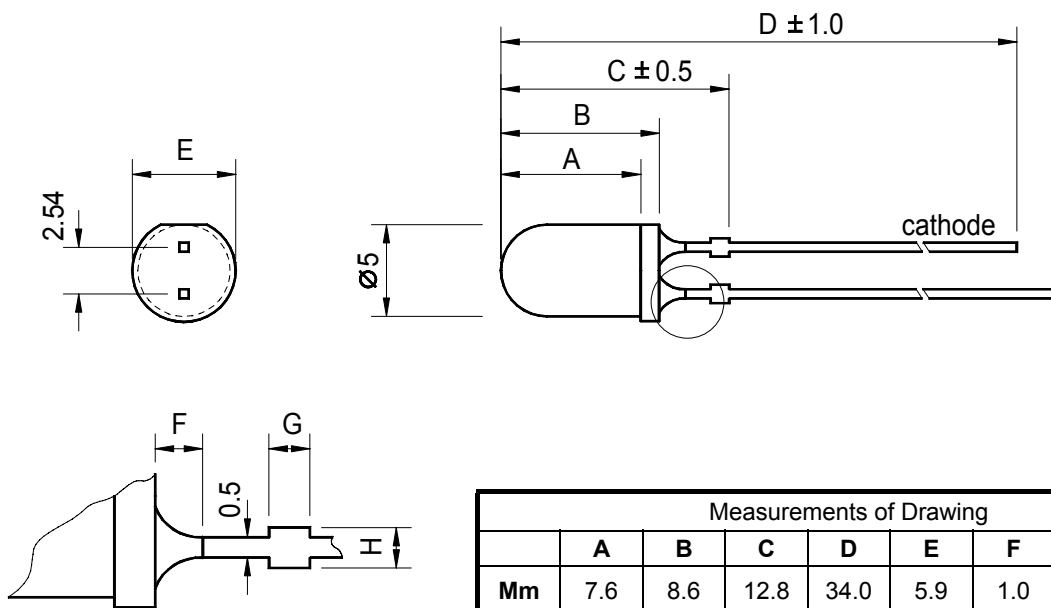
Chip			Lens	Absolute Maximum Rating				Electro-optical Data (At 20mA)					Viewing Angle 2 θ ½ (deg)
Emitted Colour	Peak Wave Length λ _p (nm)	Dominant Wave Length λ _p (nm)		Δλ (nm)	Pd (mW)	I _f (mA)	Peak I _f (mA)	V _f (V)		I _v Typ. (mcd)			
			Min.					Max	Min.	Typ	Max.		
yellow	592	590	water clear	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

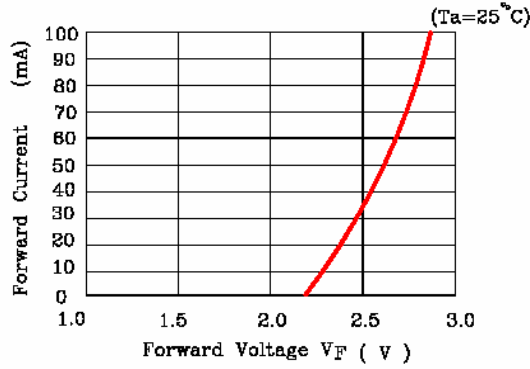


FIG. 2 Relative Intensity Vs. Forward Current

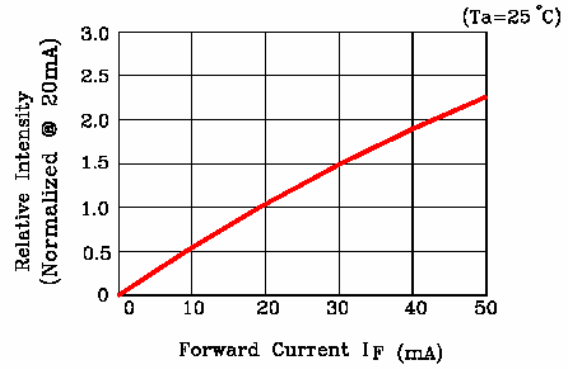


FIG. 4 Relative Intensity vs. Temperature

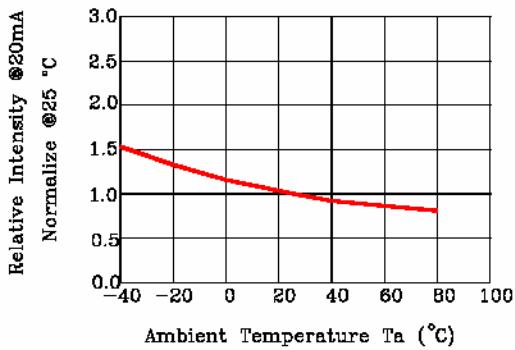


FIG. 6 Maximum Forward Current vs. Ambient Temperature. Derating Based on $T_{MAX}=130\text{ }^{\circ}\text{C}$

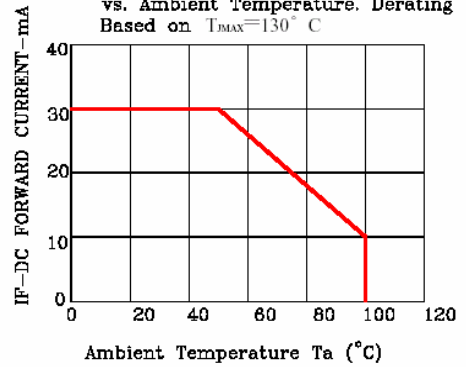


FIG. 5 Relative Intensity vs. Wavelength (λ p)

