


$\phi 5.0$ (T-1 3/4) Circular Type High Brightness Type <Viewing Angle $2\theta 1/2 : 12^\circ$ >

SLI-580 Series

Emitting Color	Yellow	Orange	Red
Material	AlGaInP on GaAs		
Emitting Surface Dimension(mm)			
Part No.	SLI-580YT	SLI-580DT	SLI-580UT

Absolute Maximum Ratings (Ta=25°C)

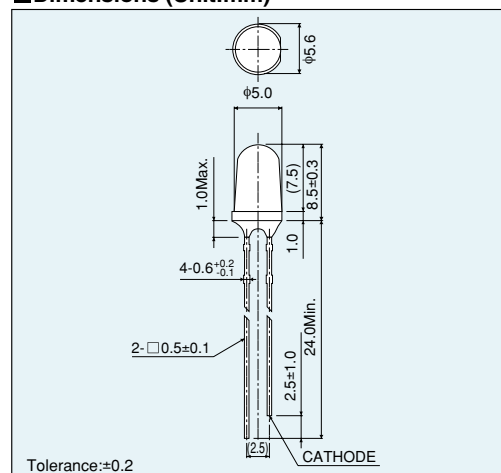
Part No.	Emitting color	Power dissipation P _D (mW)	Forward current I _F (mA)	Peak forward current * I _{FP} (mA)	Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Storage temperature T _{stg} (°C)
SLI-580YT	Yellow	125	50	200	9	-30 to +85	-40 to +100
SLI-580DT	Orange						
SLI-580UT	Red						

*:Duty ≤ 1/ 10, 1kHz

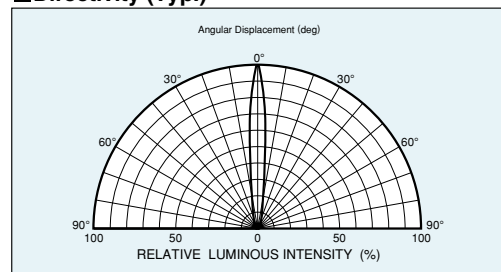
Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forward voltage V _F		Reverse current I _R		Light wavelength			Brightness I _v		
		Typ. (V)	I _F (mA)	Max. (μA)	V _R (V)	Peak λ _p Typ. (nm)	Half-wave Δλ Typ. (nm)	I _F (mA)	Min. (mcd)	Typ. (mcd)	I _F (mA)
SLI-580YT	Transparent Colorless	1.9	20	100	9	591	15	20	1350	5000	20
SLI-580DT						611	17				
SLI-580UT						630	20				

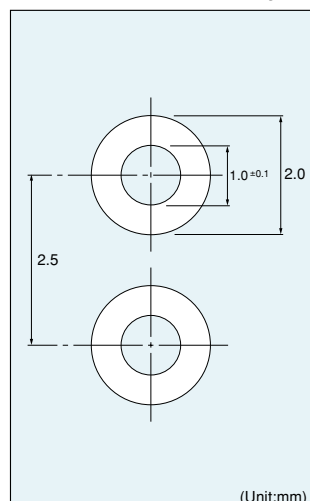
Dimensions (Unit:mm)



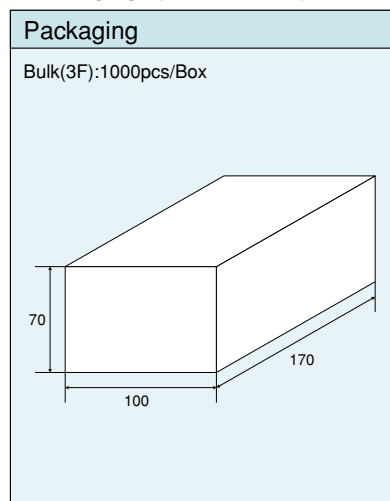
Directivity (Typ.)



Recommended Pad Layout

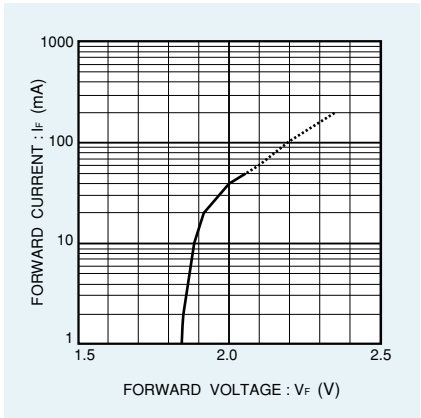


Packaging Specifications (Unit:mm)

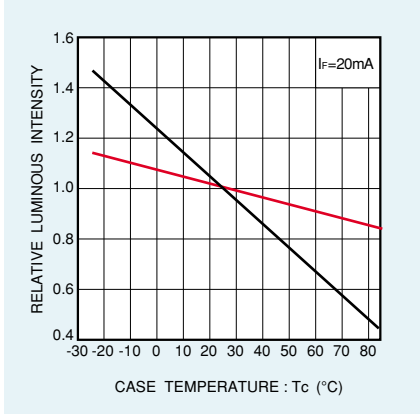


■Electrical Characteristic Curves

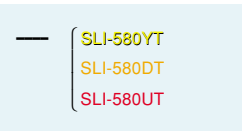
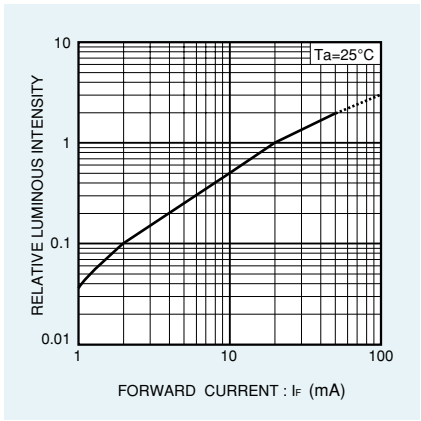
Forward Current - Forward Voltage



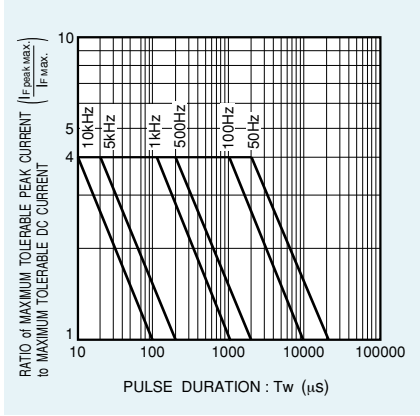
Relative Luminous Intensity - Case Temperature



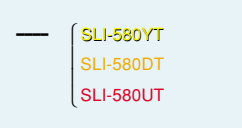
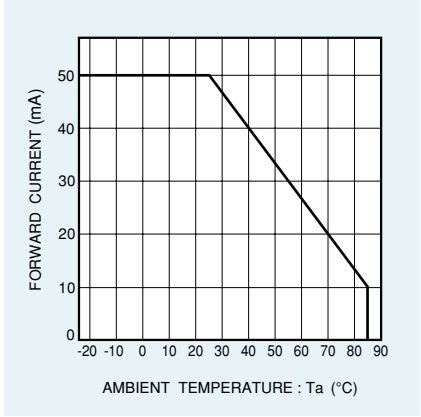
Relative Luminous Intensity - Forward Current



Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating



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