♦5.0(T-1 3/4) Circular Type High Brightness Type <Viewing Angle 2θ1/2 : 12°>



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)

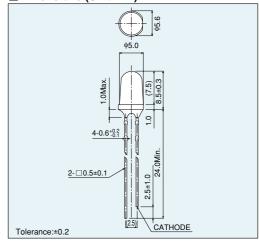
Part No.	Emitting color	Power dissipation Pp (mW)	Forward current IF (mA)	Peak forward current * IFP (mA)	Reverse voltage V _R (V)	Operating temperature Topr	Storage temperature T _{stg} (°C)	
SLI-580YT	Yellow							
SLI-580DT	Orange	125	50	200	9	-30 to +85	-40 to +100	
SLI-580UT	Red							

^{*}:Duty ≦1/10,1kHz

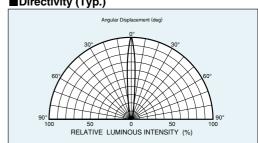
■ Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forv volt V Typ. (V)		Reverse current IR Max. VR (µA) (V)		Light wavelength Peak Half-wave λρ Δλ Typ. Typ. IF (nm) (nm) (mA)			Brightness Iv Min. Typ. IF (mcd) (mcd) (mA)		
SLI-580YT	Transparent Colorless					591	15		1350		
SLI-580DT		1.9	20	100	9	611	17	20	1350	5000	20
SLI-580UT						630	20		2000		

■Dimensions (Unit:mm)



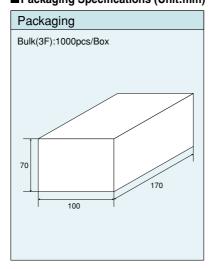
■Directivity (Typ.)



■ Recommended Pad Layout

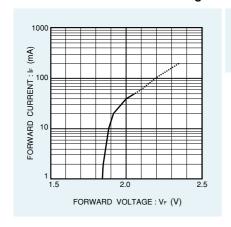
2.0 2.5 (Unit:mm)

■ Packaging Specifications (Unit:mm)



■Electrical Characteristic Curves

Forward Current - Forward Voltage



SLI-580YT
SLI-580DT
SLI-580UT

Relative Luminous Intensity - Case Temperature

SLI-580YT

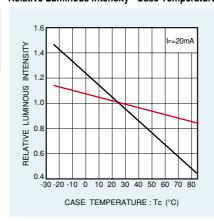
SLI-580DT

SLI-580UT

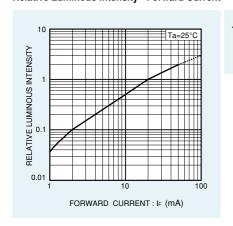
SLI-580YT

SLI-580DT

SLI-580UT

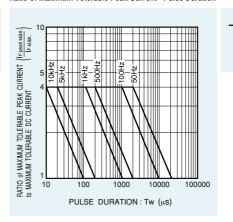


Relative Luminous Intensity - Forward Current

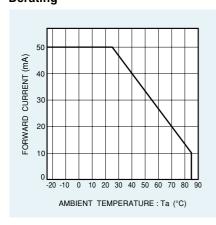


SLI-580YT
SLI-580DT
SLI-580UT

Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating



SLI-580YT SLI-580DT SLI-580UT

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