φ5.0(T-1 3/4) Circular Type High Brightness Type <Viewing Angle 2θ1/2 : 12°>



SLI-580 Series

Emitt	ting Color	Yellow	Orange	Red		
М	laterial		AIGaInP on GaAs			
Emittir Dimer	ng Surface nsion(mm) ^{45.0}					
Pa	art No.	SLI-580YT	SLI-580DT	SLI-580UT		

Absolute Maximum Ratings (Ta=25°C)

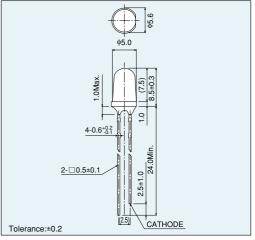
Part No.	Emitting color	Power dissipation Po (mW)	Forward current IF (mA)	Peak forward current * IFP (mA)	Reverse voltage VR (V)	Operating temperature T _{opr} (°C)	Storage temperature Tstg (°C)
SLI-580YT	Yellow						
SLI-580DT	580DT Orange		50	200	9	-30 to +85	-40 to +100
SLI-580UT	Red						

*:Duty≦1/10,1kHz

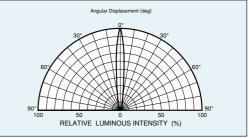
Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forward voltage VF		Reverse current In		Light wavelength Peak Half-wave λρ Δλ			Brightness Iv		
		Тур. (V)	lF (mA)	Max. (μA)	Vr (V)	Typ. (nm)	Typ. (nm)	lF (mA)	Min. (mcd)	Typ. (mcd)	lF (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		

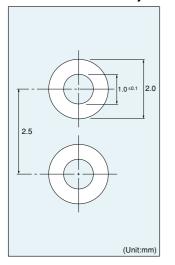
Dimensions (Unit:mm)



Directivity (Typ.)



Recommended Pad Layout

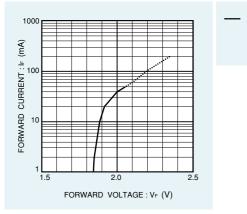


Packaging Specifications (Unit:mm) Packaging Bulk(3F):1000pcs/Box 70 170 170

100

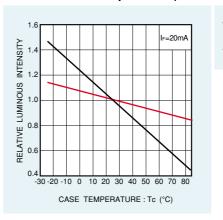
Electrical Characteristic Curves

Forward Current - Forward Voltage



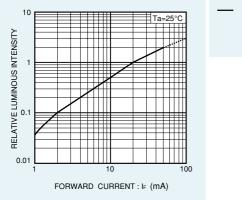
SLI-580YT SLI-580DT SLI-580UT

Relative Luminous Intensity - Case Temperature



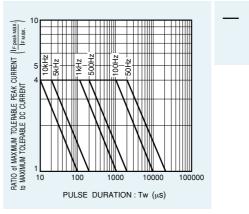
- (SLI-580YT SLI-580DT - SLI-580UT

Relative Luminous Intensity - Forward Current



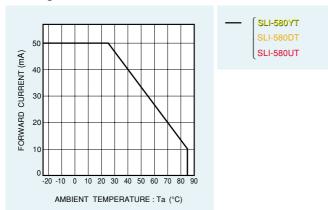
SLI-580YT SLI-580DT SLI-580UT

Ratio of Maximum Tolerable Peak Current - Pulse Duration



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

Derating



Notes

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