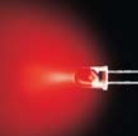


$\phi 5.0$ (T-1 3/4) Circular Type High Brightness Type <Viewing Angle 2 θ 1/2 : 40°>

SLA-560 Series

Emitting Color	Blue				Green		Green(Yellowish Green)	Red
Material	InGaN on SiC						GaP	GaAlAs on GaAs
Emitting Surface Dimension(mm)								
 φ5.0								
Part No.	SLA560BC4T	SLA560BC7T	SLA560BCT	SLA560BD2T	SLA560EC4T	SLA560ECT	SLA-560MT	SLA-560LT

Note) "-" will be taken out for emitting color B/E series.

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)
SLA560BC4T	Blue	120	30	100 *1	5	-20 to +80	-30 to +100
SLA560BC7T		105	25				
SLA560BCT							
SLA560BD2T							
SLA560EC4T	Green	120	30				
SLA560ECT							
SLA-560MT	Green (Yellowish Green)	75	25	60 *2	4	-25 to +85	
SLA-560LT	Red	100	50	75 *2			

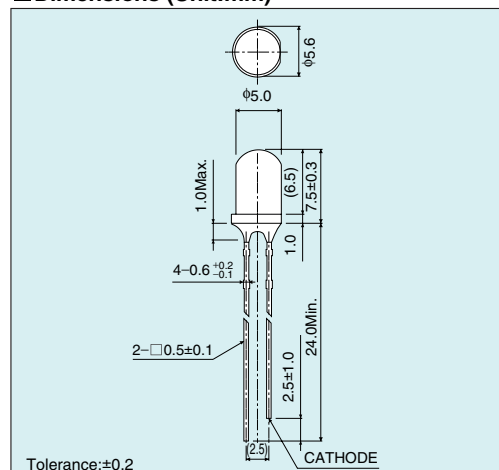
*1:Duty $\leq 1/10$, 1kHz

*2:Duty $\leq 1/5$, pulse width ≤ 1 ms.

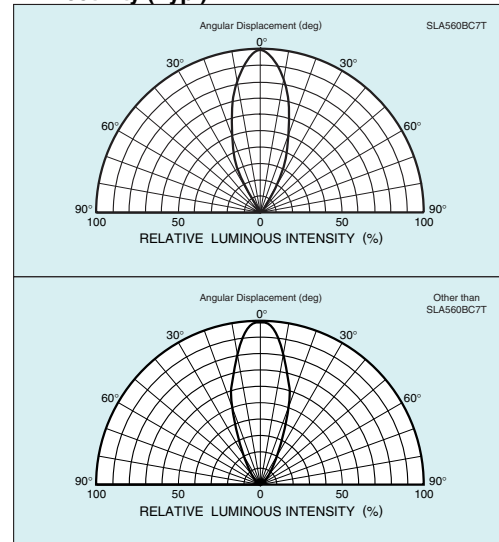
Electrical Optical Characteristics (Ta=25°C)

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 (nm)	Half-wave $\Delta\lambda$ (nm)	I _F (mA)	Min. (mcd)	Typ. (mcd)	I _F (mA)
SLA560BC4T	Transparent Colorless	3.2	20	100	5	468	26	20	200	470	20
SLA560BC7T									330	680	
SLA560BCT		3.3							200	600	
SLA560BD2T									1000	2200	
SLA560EC4T		3.2				523	36			1500	
SLA560ECT		3.3				518	35		610	2000	
SLA-560MT		2.3		10	4	563	40				
SLA-560LT		1.75		100		660	25		42	100	

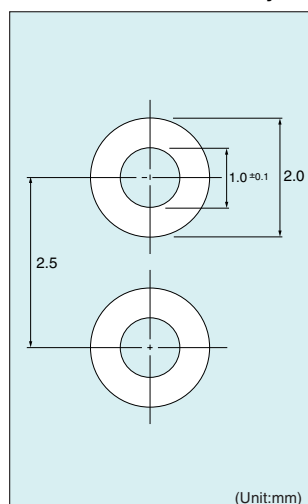
Dimensions (Unit:mm)



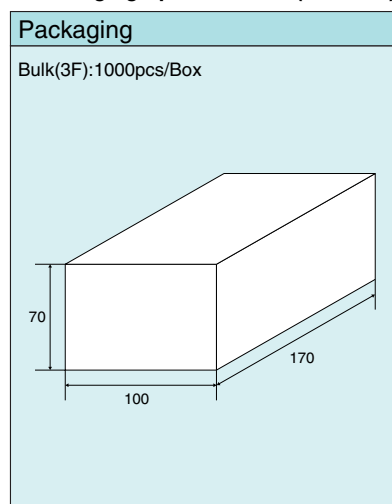
Directivity (Typ.)



Recommended Pad Layout



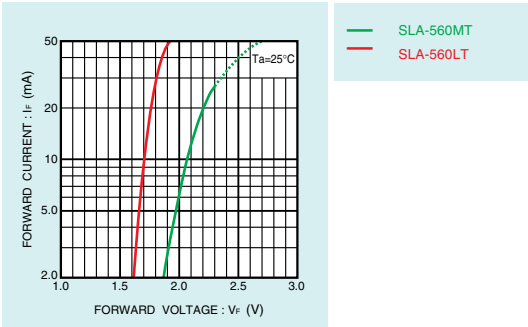
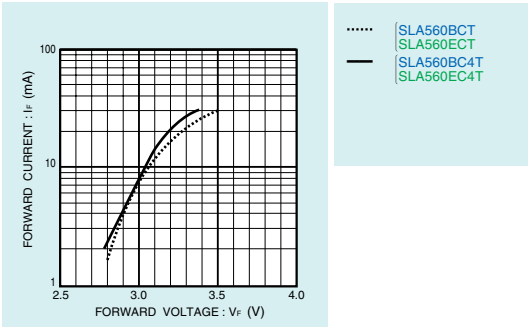
Packaging Specifications (Unit:mm)



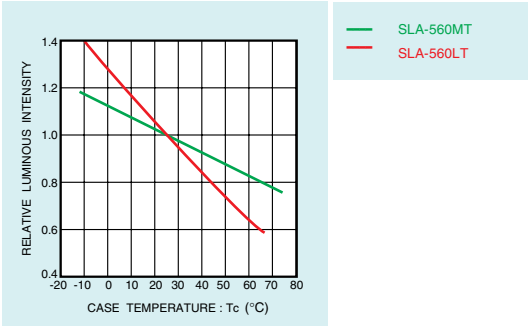
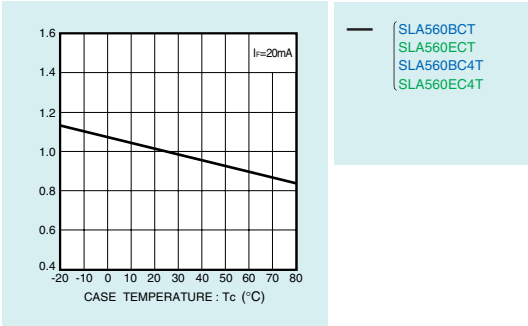
Note) The design and specifications are subject to change without prior notice. Before ordering or using, please check the latest technical specifications.

■ Electrical Characteristic Curves

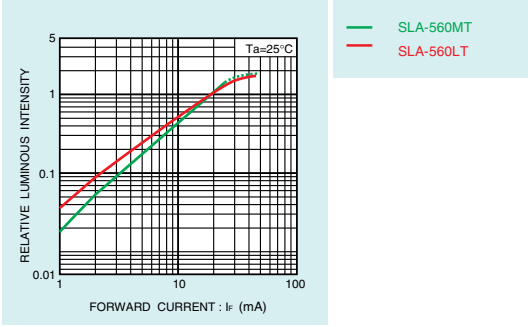
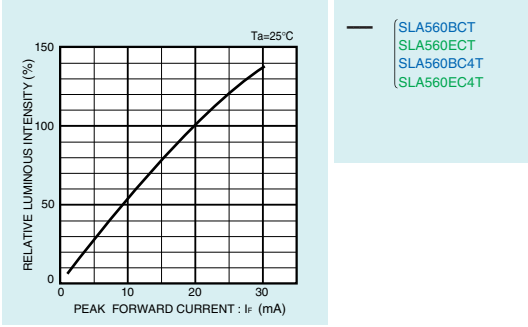
Forward Current - Forward Voltage



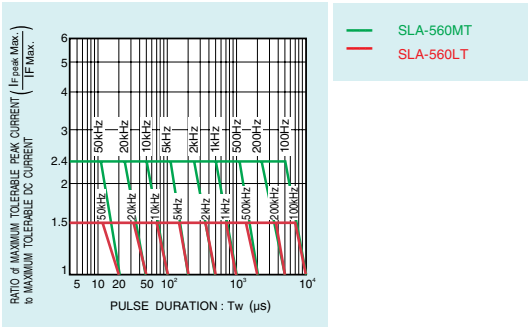
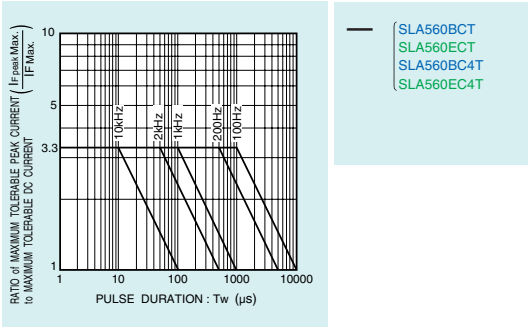
Relative Luminous Intensity - Case Temperature



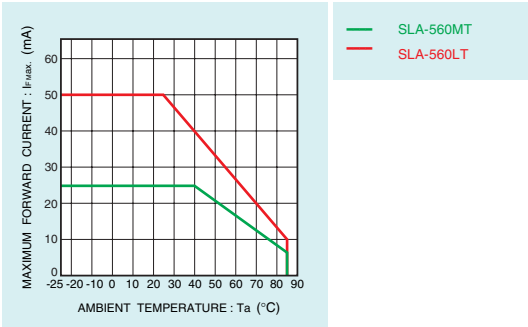
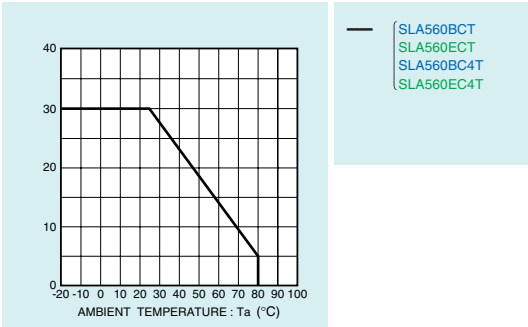
Relative Luminous Intensity - Forward Current



Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating



*Note : Characteristics data of SLA560BC7T & SLA560BD2T are under preparation.

Notes

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