

# φ5.0(T-1 3/4) Circular Type High Brightness Type <Viewing Angle 2θ1/2 : 40°>



## SLA-560 Series

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

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

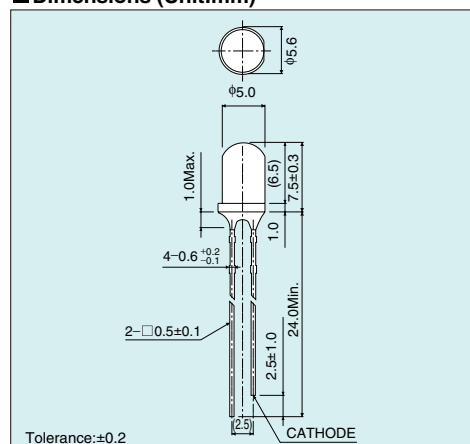
### Absolute Maximum Ratings (Ta=25°C)

Part No.	Emitting color	Power dissipation P <sub>D</sub> (mW)	Forward current I <sub>F</sub> (mA)	Peak forward current I <sub>FP</sub> (mA)	Reverse voltage V <sub>R</sub> (V)	Operating temperature T <sub>opr</sub> (°C)	Storage temperature T <sub>stg</sub> (°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 ≤ 1/ 10, 1kHz

\*2:Duty ≤ 1/ 5, pulse width ≤ 1ms.

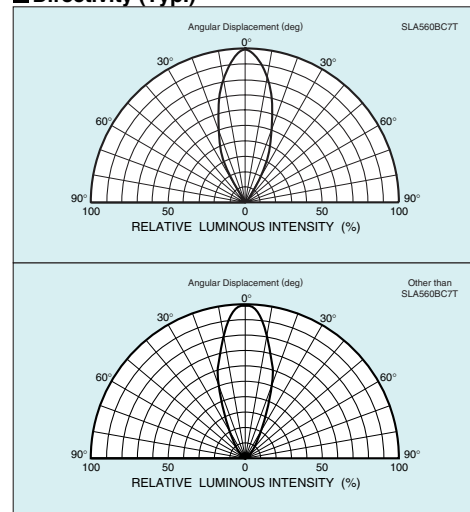
### Dimensions (Unit:mm)



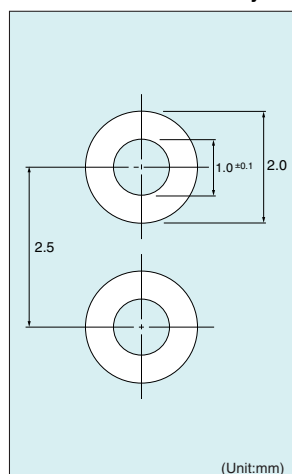
### Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forward voltage V <sub>F</sub>		Reverse current I <sub>R</sub>		Light wavelength			Brightness I <sub>v</sub>			
		Typ. (V)	I <sub>F</sub> (mA)	Max. (μA)	V <sub>R</sub> (V)	Peak λ <sub>p</sub> (nm)	Half-wave Δλ (nm)	I <sub>F</sub> (mA)	Min. (mcd)	Typ. (mcd)	I <sub>F</sub> (mA)	
SLA560BC4T	Transparent Colorless	3.2	20	100	5	468	26	20	200	470	20	
SLA560BC7T		330							680			
SLA560BCT		200							600			
SLA560BD2T		1000							2200			
SLA560EC4T		523							36	610		1500
SLA560ECT		518							35			2000
SLA-560MT	2.3		10	4	563	40		42	100			
SLA-560LT	1.75		100		660	25						

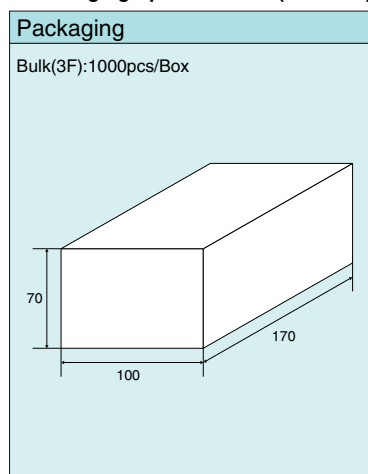
### Directivity (Typ.)



### Recommended Pad Layout



### Packaging Specifications (Unit:mm)

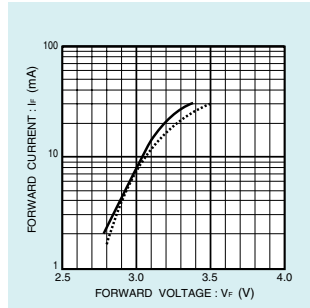


Note) The design and specifications are subject to change without prior notice. Before ordering or using, please check the latest technical specifications.

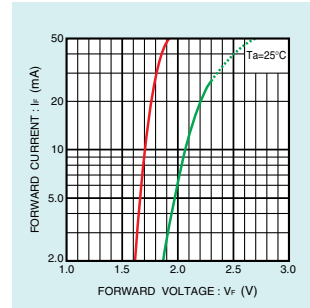
Rev.D

## Electrical Characteristic Curves

### Forward Current - Forward Voltage

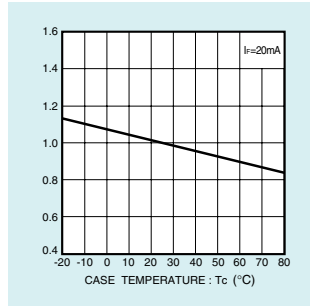


..... SLA560BCT  
 SLA560ECT  
 — SLA560BC4T  
 SLA560EC4T

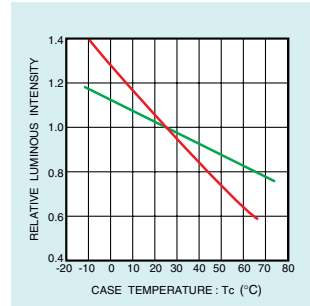


— SLA-560MT  
 — SLA-560LT

### Relative Luminous Intensity - Case Temperature

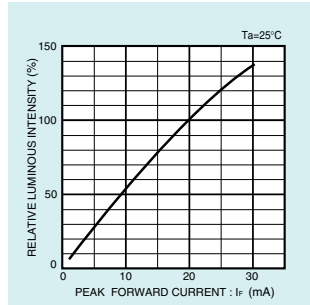


— SLA560BCT  
 SLA560ECT  
 SLA560BC4T  
 SLA560EC4T

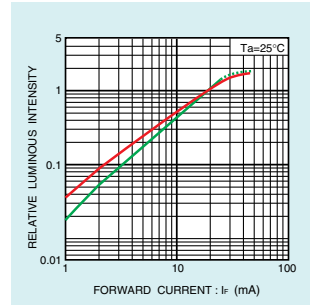


— SLA-560MT  
 — SLA-560LT

### Relative Luminous Intensity - Forward Current

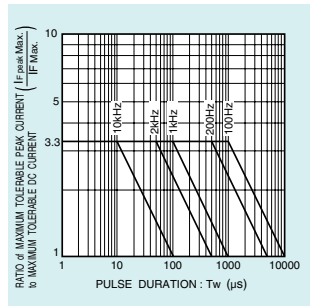


— SLA560BCT  
 SLA560ECT  
 SLA560BC4T  
 SLA560EC4T

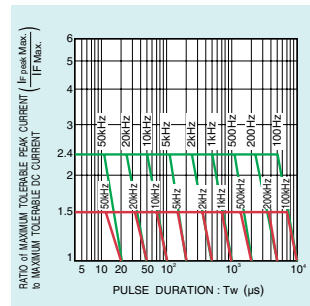


— SLA-560MT  
 — SLA-560LT

### Ratio of Maximum Tolerable Peak Current - Pulse Duration

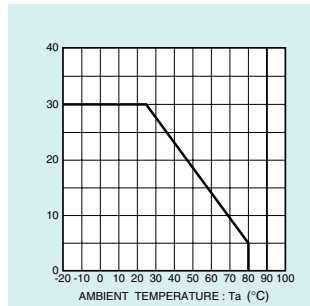


— SLA560BCT  
 SLA560ECT  
 SLA560BC4T  
 SLA560EC4T

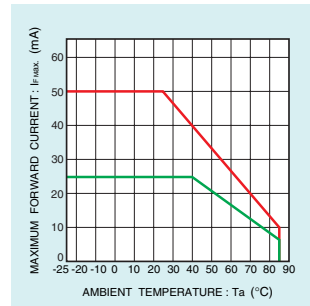


— SLA-560MT  
 — SLA-560LT

### Derating



— SLA560BCT  
 SLA560ECT  
 SLA560BC4T  
 SLA560EC4T



— SLA-560MT  
 — SLA-560LT

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

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