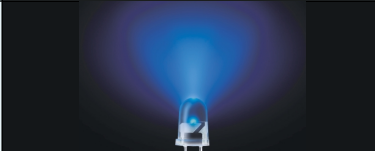


High Brightness Type ϕ5.0 Circular Type LED Lamps <Wide Focus Type 2θ 1/2:40°>

SLA-560 Series

Shape	Emitting Surface Dimension (mm)	Blue			Green			Red	
		InGaN on Sic						GaP	GaAlAs on GaAs
		468nm			523nm	518nm		563nm	660nm(single)
Circular Type	ϕ 5.0								
		SLA560BBT	SLA560BCT	SLA560BDT	SLA560EBT	SLA560ECT	SLA560EDT	SLA-560MT	SLA-560LT

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

Absolute Maximum Ratings (Ta=25℃)

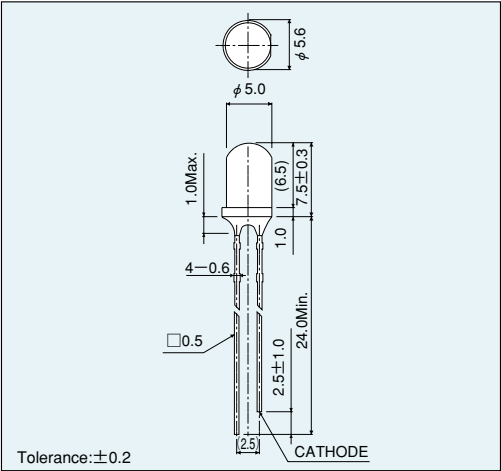
Part No.	Emitting color	Power dissipation P _D (mW)	Forward current I _F (mA)	Peak forward current I _{FP} (mA)	Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Stotage temperature T _{stg} (°C)
SLA560BBT	Blue	120	30	100 *1	5	-20 to +80	-30 to +100
SLA560BCT							
SLA560BDT							
SLA560EBT	Green	75	25	60 *2	4	-25 to +85	
SLA560ECT							
SLA560EDT							
SLA-560MT							
SLA-560LT	Red	100	50	75 *2			

*1:IFP measured under duty ≤1/ 10,1kHz
 *2:IFP measured under duty ≤1/ 5, pulse width ≤1ms.

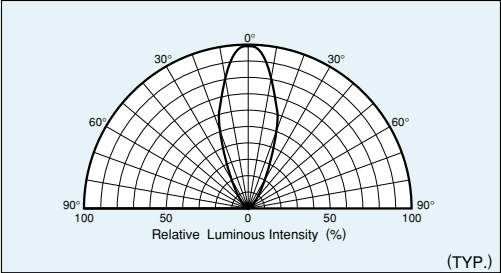
Electrical Optical Characteristics (Ta=25℃)

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)
SLA560BBT	Transparent Clear	3.5	20	100	5	468	26	20	90	220	20
SLA560BCT									200	600	
SLA560BDT									610	2000	
SLA560EBT		3.8		10	4	523	36		300	680	
SLA560ECT						518	35		610	2000	
SLA560EDT									2000	5000	
SLA-560MT		2.3				660	25		42	100	
SLA-560LT		1.75		100							

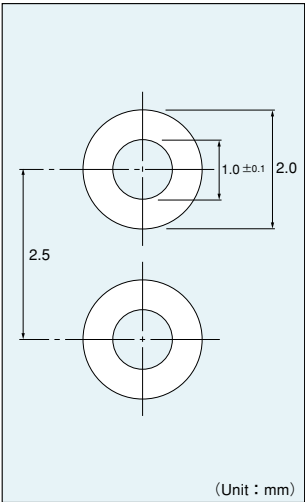
External Dimensions (Unit : mm)



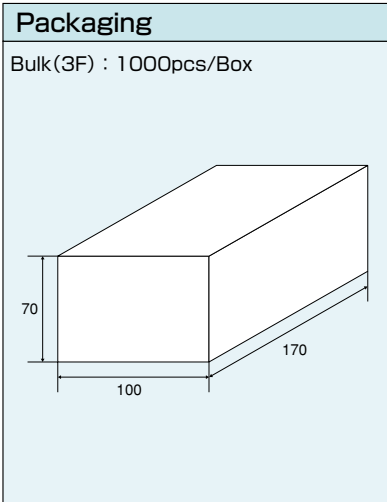
Directivity



Recommended Pad Layout

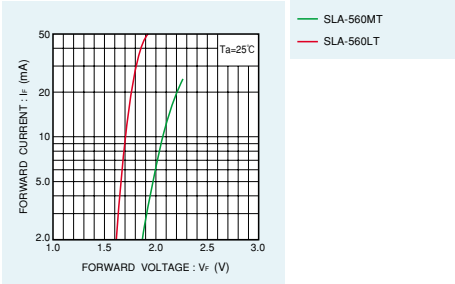
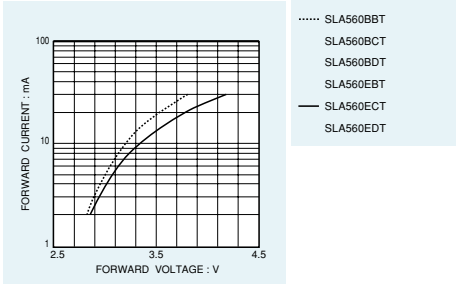


Packaging Specifications (Unit : mm)

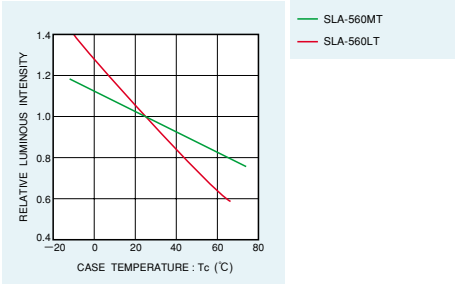
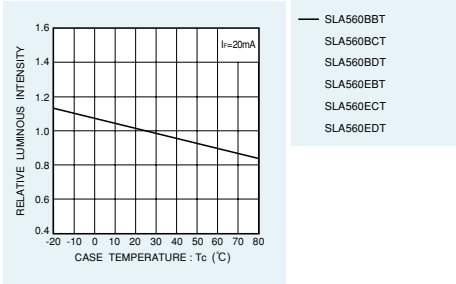


Electrical Characteristic Curves

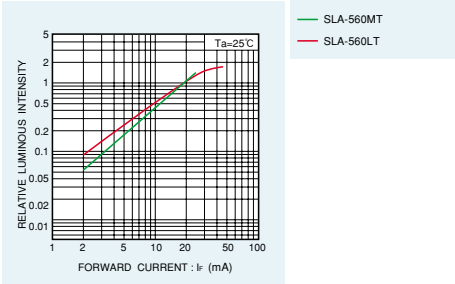
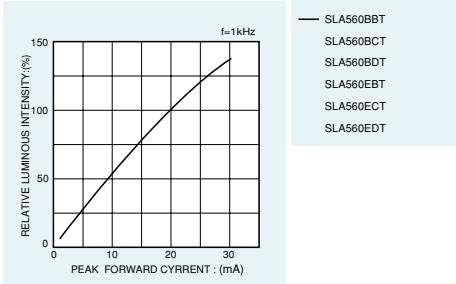
Forward Current - Forward Voltage



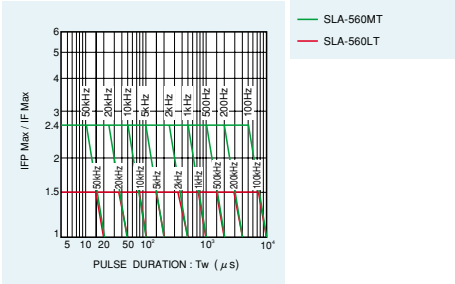
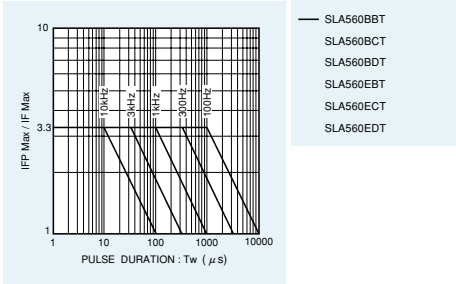
Relative Luminous Intensity - Case Temperature



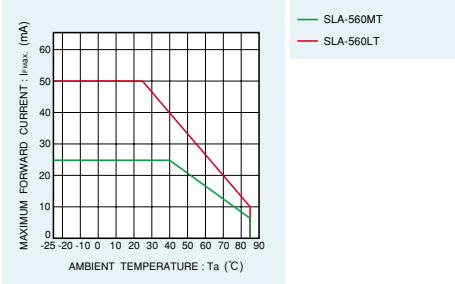
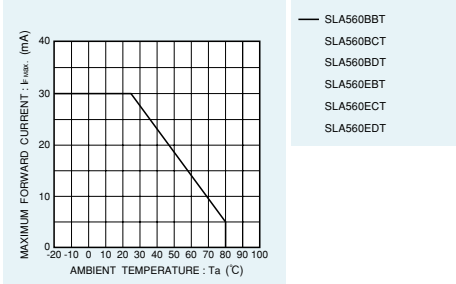
Relative Luminous Intensity - Forward Current



Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating



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