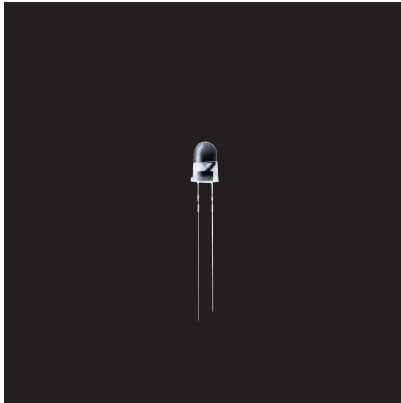




SLI-560 / SLA-560 Series

Features

- Viewing angle 2θ 1/2 : 40°
- High brightness

Color Type	U	D	Y	M	B	WB
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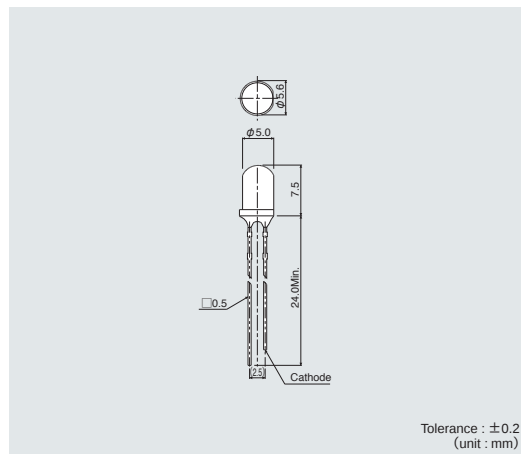
Specifications

Viewing angle 2θ 1/2 : 40° : High brightness

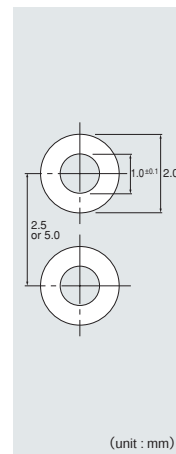
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25℃)						Electrical and Optical Characteristics (Ta=25℃)							
			Power Dissipation Pd(mW)	Forward Current If(mA)	Peak Forward Current IFP(mA)	Reverse Voltage VR(V)	Operating Temperature Topr(℃)	Storage Temperature Tstg(℃)	Forward Voltage VF Typ. (V)	Reverse Current Ir Max. (μA)	VR(V)	Dominant Wavelength λD Typ.(nm)	Ir(mA)	Luminous Intensity Iv Min. (mcd)	Typ. (mcd)	Iv If(mA)
■ SLI-560UT	AlGaInP on GaAs	Red											630			
■ SLI-560DT		Orange	125	50	200*2	9	-30 to +85	-40 to +100	1.9	20	100	9	611		300	1000
■ SLI-560YT		Yellow											591			
■ SLA-560MT	GaP	Yellowish Green	75	25	60*1	4	-25 to +85	-30 to +100	2.3	20	10	4	563	20	42	100
■ SLA560BD2T	InGaN	Blue											470		1000	2200
□ SLA560WBD2PT		White	126	30	100*2	5	-20 to +80	-30 to +100	3.2	20	100	5	(x, y) (0.31, 0.31)		1500	3300

* 1:Duty1/5, 200Hz, * 2:Duty1/10, 1kHz

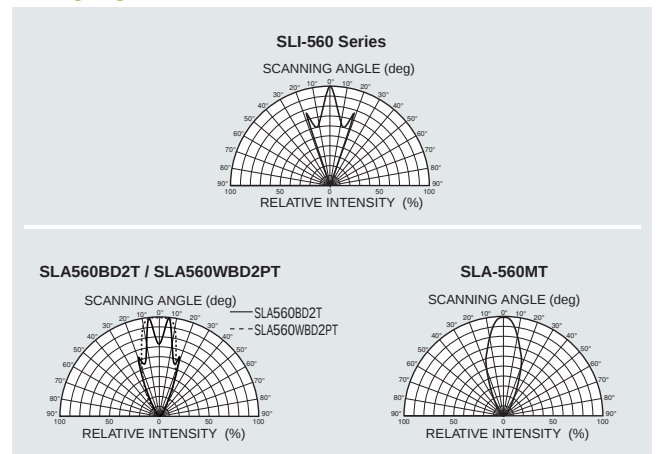
Dimensions



Recommended Solder Pattern

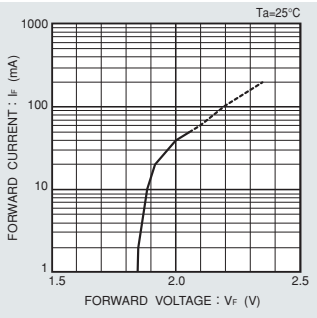


Viewing Angle

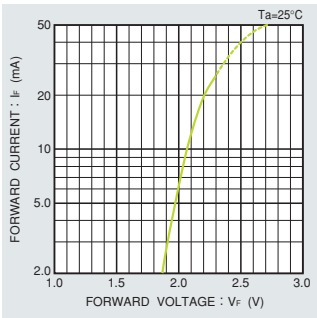


Electrical Characteristics Curves

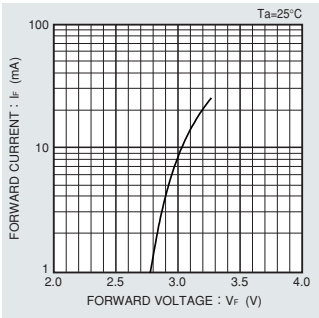
Forward Current-Forward Voltage



■ SLI-560UT
■ SLI-560DT
■ SLI-560YT

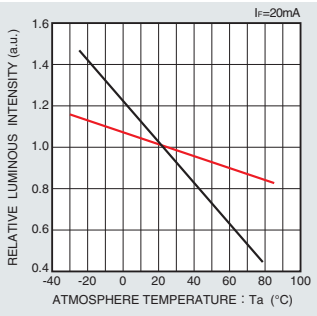


■ SLA-560MT

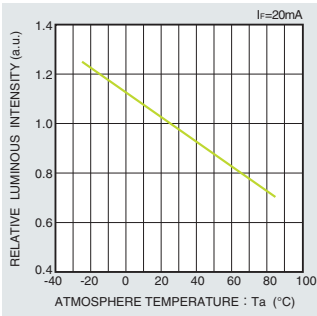


■ SLA560BD2T
■ SLA560WBD2PT

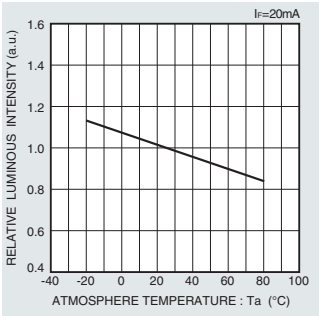
Luminous Intensity-Atmosphere Temperature



■ SLI-560DT
■ SLI-560YT
■ SLI-560UT

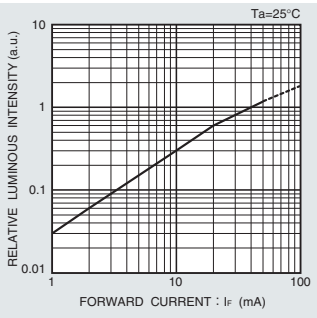


■ SLA-560MT

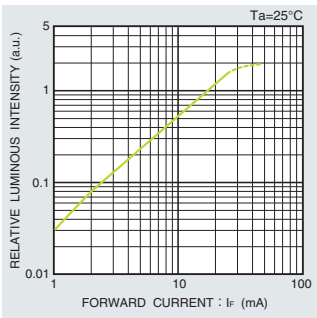


■ SLA560BD2T
■ SLA560WBD2PT

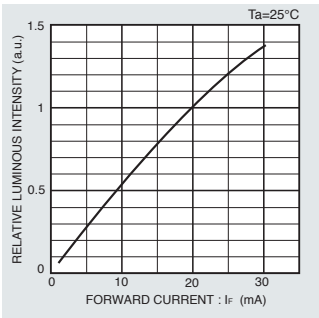
Luminous Intensity-Forward Current



■ SLI-560UT
■ SLI-560DT
■ SLI-560YT

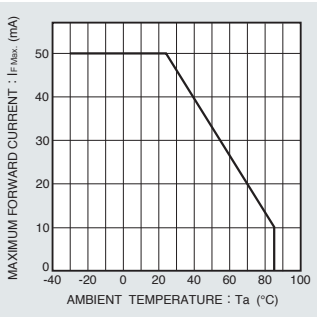


■ SLA-560MT

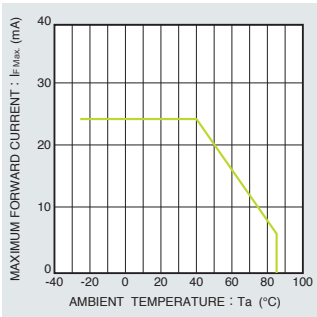


■ SLA560BD2T
■ SLA560WBD2PT

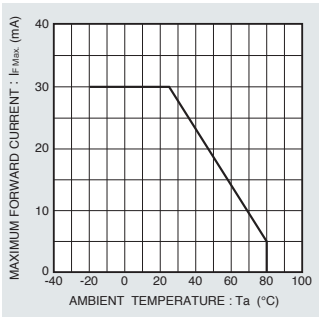
Derating



■ SLI-560UT
■ SLI-560DT
■ SLI-560YT



■ SLA-560MT



■ SLA560BD2T
■ SLA560WBD2PT

Rank Reference of Brightness

■ Red (U)

(Ta=25°C, If=20mA)

	Viewing angle (2θ1/2)	Brightness Rank	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
		Brightness (mcd)	47 to 68	68 to 100	100 to 150	150 to 220	220 to 330	330 to 470	470 to 680	680 to 1000	1000 to 1500	1500 to 2200	2200 to 3300	3300 to 4700	4700 to 6800	6800 to 10000	10000 to 15000
φ5 Circular type	40°	Resin Color															
		Transparent Colorless															

■ Orange (D)

(Ta=25°C, If=20mA)

	Viewing angle (2θ1/2)	Brightness Rank	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
		Brightness (mcd)	47 to 68	68 to 100	100 to 150	150 to 220	220 to 330	330 to 470	470 to 680	680 to 1000	1000 to 1500	1500 to 2200	2200 to 3300	3300 to 4700	4700 to 6800	6800 to 10000	10000 to 15000
φ5 Circular type	40°	Resin Color															
		Transparent Colorless															

■ Yellow (Y)

(Ta=25°C, If=20mA)

	Viewing angle (2θ1/2)	Brightness Rank	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
		Brightness (mcd)	47 to 68	68 to 100	100 to 150	150 to 220	220 to 330	330 to 470	470 to 680	680 to 1000	1000 to 1500	1500 to 2200	2200 to 3300	3300 to 4700	4700 to 6800	6800 to 10000	10000 to 15000
φ5 Circular type	40°	Resin Color															
		Transparent Colorless															

■ Green (M)

(Ta=25°C, If=20mA)

	Viewing angle (2θ1/2)	Brightness Rank	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
		Brightness (mcd)	47 to 68	68 to 100	100 to 150	150 to 220	220 to 330	330 to 470	470 to 680	680 to 1000	1000 to 1500	1500 to 2200	2200 to 3300	3300 to 4700	4700 to 6800	6800 to 10000	10000 to 15000
φ5 Circular type	40°	Resin Color															
		Transparent Colorless															

■ Blue (B)

(Ta=25°C, If=20mA)

	Viewing angle (2θ1/2)	Brightness Rank	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
		Brightness (mcd)	150 to 220	220 to 330	330 to 473	470 to 680	680 to 1000	1000 to 1500	1500 to 2200	2200 to 3300	3300 to 4700	4700 to 6800	6800 to 10000	10000 to 15000
φ5 Circular type	40°	Resin Color												
		Transparent Colorless												

■ White (WB)

(Ta=25°C, If=20mA)

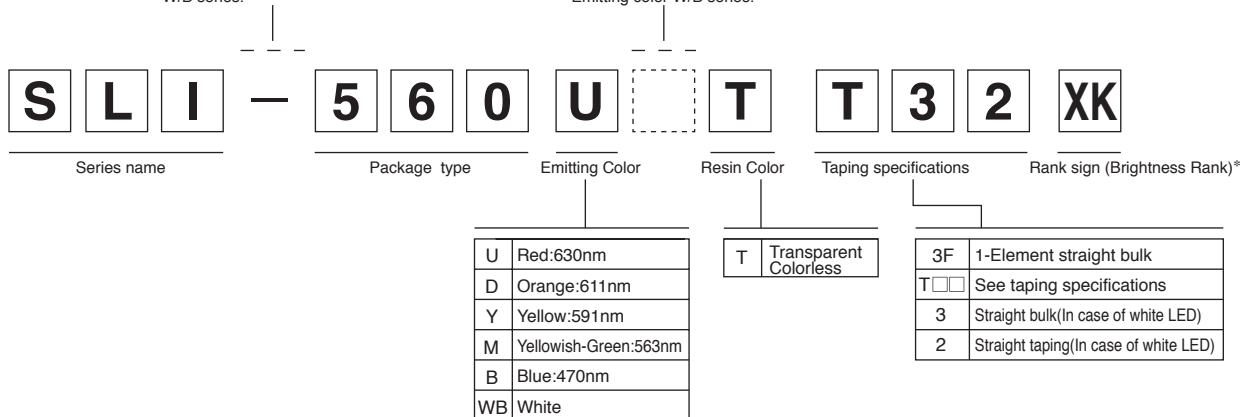
	Viewing angle (2θ1/2)	Brightness Rank	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
		Brightness (mcd)	220 to 330	330 to 473	470 to 680	680 to 1000	1000 to 1500	1500 to 2200	2200 to 3300	3300 to 4700	4700 to 6800	6800 to 10000	10000 to 15000
φ5 Circular type	40°	Resin Color											
		Transparent Colorless											

※Brightness on specification sheet include tolerance of within ± 10%.

Part No. Construction

* “-” will be taken out for emitting color W/B series.

Special Code will be applied for Emitting color W/B series.



* Concerning the Brightness rank

• Please refer to the rank chart above for luminous intensity classification.

• Part name is individual for each rank.

• When shipped as sample, the part name will be a representative part name.

General products are free of ranks. Please contact sales if rank appointment is needed.

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