

SLI-325 Series

Features

- Viewing angle 2θ 1/2 : 40°
- Lead pitch 5mm
- Low power consumption

Color Type ■ U ■ D ■ Y

Specifications

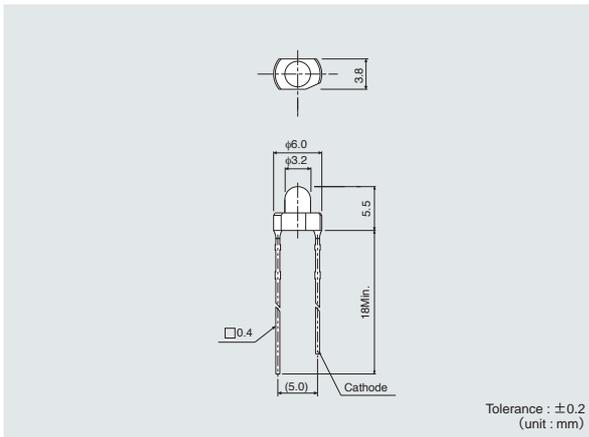
Viewing angle 2θ 1/2 / 40°: Low power consumption

Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)					Electrical and Optical Characteristics (Ta=25°C)									
			Power Dissipation PD(mW)	Forward Current IF(mA)	Peak Forward Current IFP(mA)	Reverse Voltage VR(V)	Operating Temperature Topr(°C)	Storage Temperature Tstg(°C)	Forward Voltage VF Typ.(V)	Forward Current IF(mA)	Reverse Current IR Max.(μA)	Reverse Voltage VR(V)	Dominant Wavelength λD Typ.(nm)	Forward Current IF(mA)	Min. Luminous Intensity Ivm (mcd)	Typ. Luminous Intensity Iv (mcd)	IF(mA)
■ SLI-325URC(W)	AlGaInP on GaAs	Red	48	20	60*1	4	-25 to +85	-30 to +100	1.85	20	100	4	620	20	36	20	
■ SLI-325DC(W)		Orange							605				160				
■ SLI-325YC(W)		Yellow							587								
■ SLI-325UR(W)		Red							1.85				620				
■ SLI-325DU(W)		Orange							1.9				605				100
■ SLI-325YY(W)		Yellow							1.9				587				

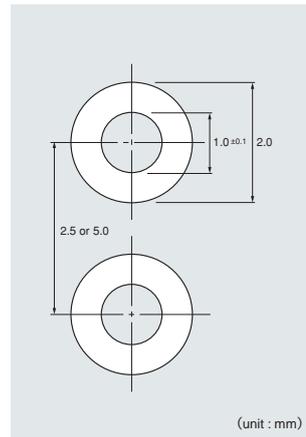
* 1:Duty1/5, 200Hz

*:SLI-325 series are only available as straight lead types

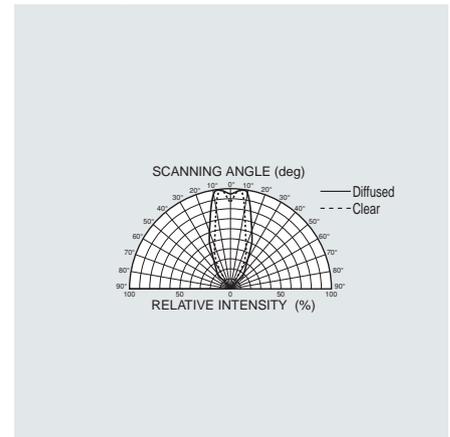
Dimensions



Recommended Solder Pattern

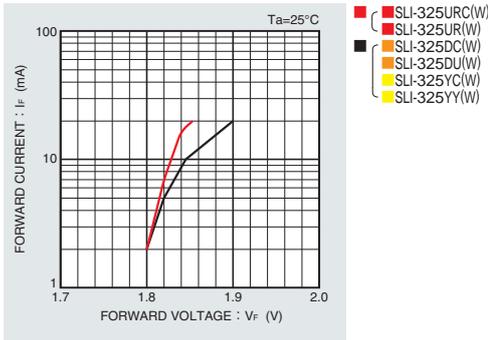


Viewing Angle

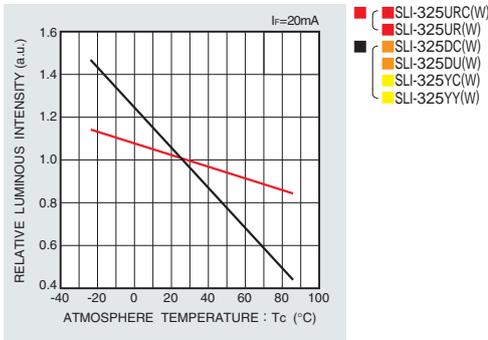


Electrical Characteristics Curves

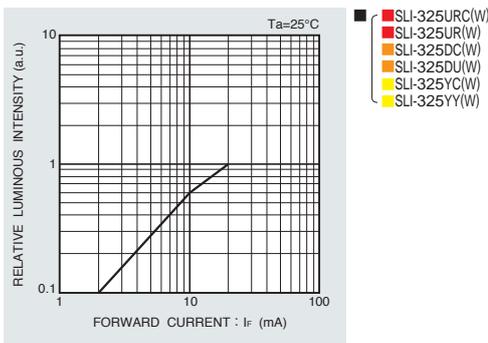
Forward Current-Forward Voltage



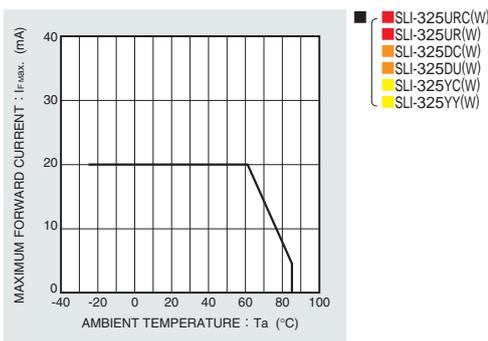
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



Rank Reference of Brightness

Red (U)

(Ta=25°C, If=20mA)

Viewing angle (2θ1/2)	Resin Color	Brightness Rank	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
		Brightness (mcd)	0.40 to 0.63	0.63 to 1.0	1.0 to 1.6	1.6 to 2.5	2.5 to 4.0	4.0 to 6.3	6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63	63 to 100	100 to 160	160 to 250	250 to 400	400 to 630
φ3 Circular type (Direct mount 5mm pitch type)	40°	Transparent Colored																
		Diffused Colored																

Orange (D)

(Ta=25°C, If=20mA)

Viewing angle (2θ1/2)	Resin Color	Brightness Rank	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
		Brightness (mcd)	0.40 to 0.63	0.63 to 1.0	1.0 to 1.6	1.6 to 2.5	2.5 to 4.0	4.0 to 6.3	6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63	63 to 100	100 to 160	160 to 250	250 to 400	400 to 630
φ3 Circular type (Direct mount 5mm pitch type)	40°	Transparent Colored																
		Diffused Colored																

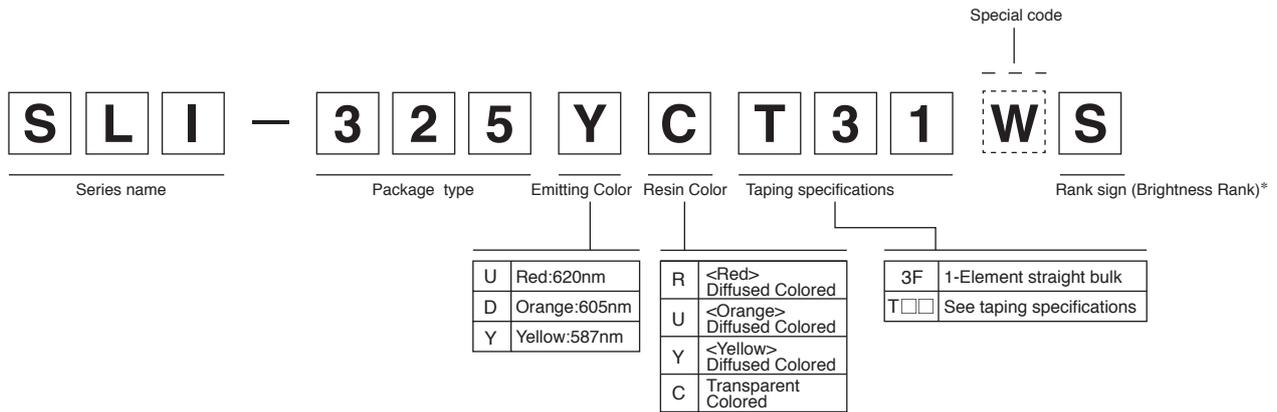
Yellow (Y)

(Ta=25°C, If=20mA)

Viewing angle (2θ1/2)	Resin Color	Brightness Rank	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
		Brightness (mcd)	0.40 to 0.63	0.63 to 1.0	1.0 to 1.6	1.6 to 2.5	2.5 to 4.0	4.0 to 6.3	6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63	63 to 100	100 to 160	160 to 250	250 to 400	400 to 630
φ3 Circular type (Direct mount 5mm pitch type)	40°	Transparent Colored																
		Diffused Colored																

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

Part No. Construction



- * 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.

Notes

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