

SLC-22 Series

Features

- Viewing angle 2θ 1/2 : 115°

 Color Type V D Y M

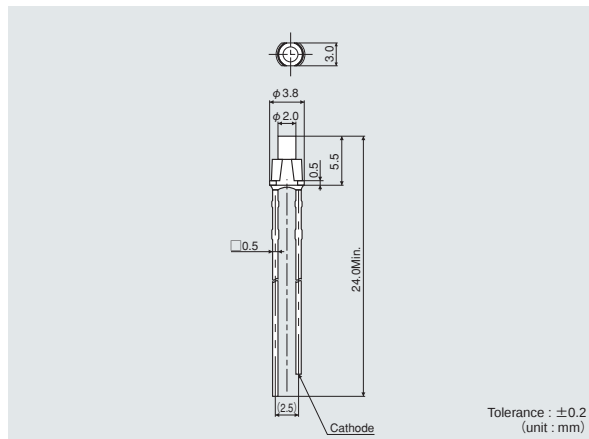
Specifications

 Viewing angle 2θ 1/2 : 115°: Standard

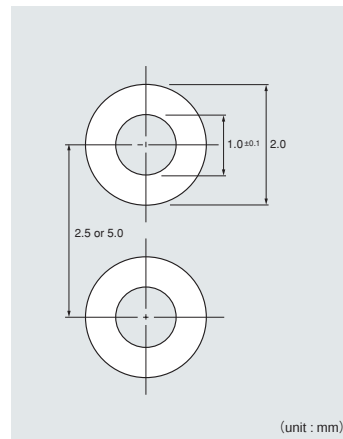
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25℃)						Electrical and Optical Characteristics (Ta=25℃)								
			Power Dissipation Pd(mW)	Forward Current If(mA)	Peak Forward Current Ifp(mA)	Reverse Voltage Vr(V)	Operating Temperature Topr(℃)	Storage Temperature Tstg(℃)	Forward Voltage Vf Typ.(V)	Reverse Current Ir Max.(μA)	Dominant Wavelength λ D Typ.(nm)		Luminous Intensity Iv Min.(mcd) Typ.(mcd) Ir(mA)				
■ SLC-22VR	GaAsP on GaP	Red							2.0				630		0.9	2.5	10
■ SLC-22DU		Orange	60	20	60*	3	-25 to +85	-30 to +100		10	10	3	605	10	0.56	1.6	
■ SLC-22YY		Yellow											587		0.9	2.5	
■ SLC-22MG	GaP	Yellowish Green	75	25							2.1			572			

*: Duty 1/5, 200Hz

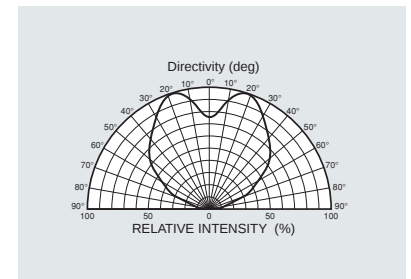
Dimensions



Recommended Solder Pattern

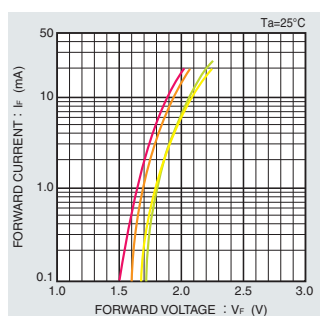


Viewing Angle



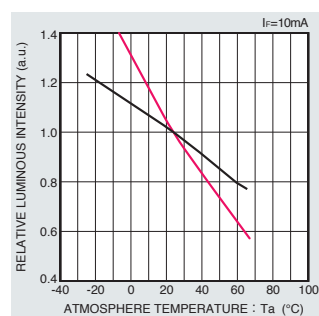
Electrical Characteristics Curves

Forward Current-Forward Voltage



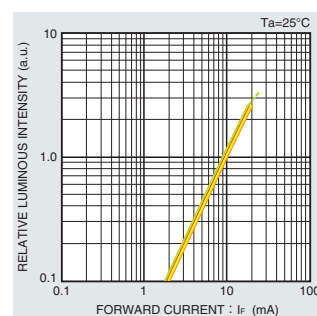
■ SLC-22VR
■ SLC-22DU
■ SLC-22YY
■ SLC-22MG

Luminous Intensity-Atmosphere Temperature



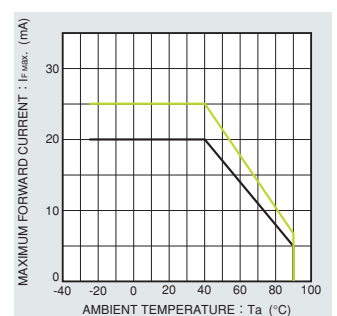
■ SLC-22VR
■ SLC-22DU
■ SLC-22YY
■ SLC-22MG

Luminous Intensity-Forward Current



■ SLC-22VR
■ SLC-22DU
■ SLC-22YY
■ SLC-22MG

Derating



■ SLC-22VR
■ SLC-22DU
■ SLC-22YY
■ SLC-22MG

Rank Reference of Brightness

Red (V)

(Ta=25°C, If=10mA)

	Viewing angle (2θ1/2)	Brightness Rank Brightness (mcd)	E	F	G	H	J	K	L	M	N
		Resin Color	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
φ3 Cylinder type	115°	Diffused Colored			*SLC-22VR						

Orange (D)

(Ta=25°C, If=10mA)

	Viewing angle (2θ1/2)	Brightness Rank Brightness (mcd)	E	F	G	H	J	K	L	M	N
		Resin Color	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
φ3 Cylinder type	115°	Diffused Colored			*SLC-22DU						

Yellow (Y)

(Ta=25°C, If=10mA)

	Viewing angle (2θ1/2)	Brightness Rank Brightness (mcd)	E	F	G	H	J	K	L	M	N
		Resin Color	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
φ3 Cylinder type	115°	Diffused Colored			*SLC-22YY						

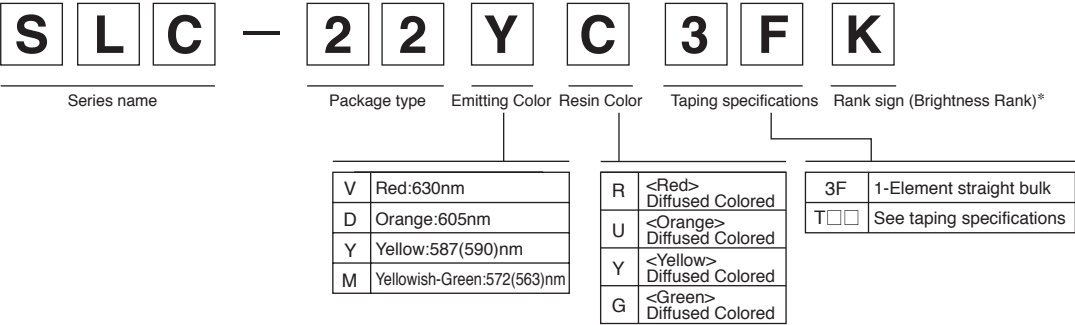
Green (M)

(Ta=25°C, If=10mA)

	Viewing angle (2θ1/2)	Brightness Rank Brightness (mcd)	E	F	G	H	J	K	L	M	N
		Resin Color	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
φ3 Cylinder type	115°	Diffused Colored			*SLC-22MG						

※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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