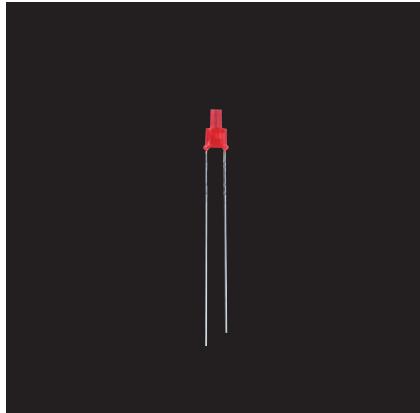


## SLC-22 Series



## Features

- Viewing angle  $2\theta_{1/2} : 115^\circ$

Color Type V D Y M

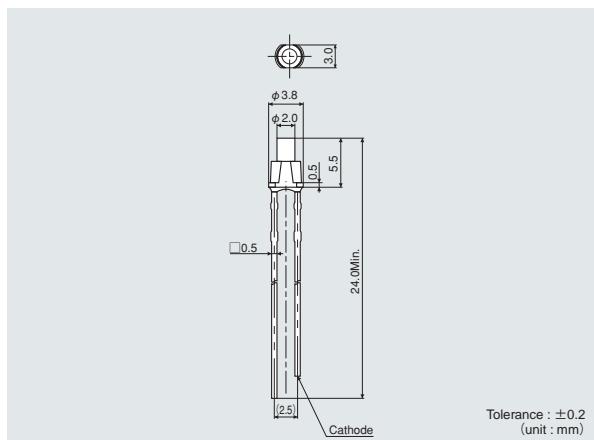
## Specifications

Viewing angle  $2\theta_{1/2} / 115^\circ$ : Standard

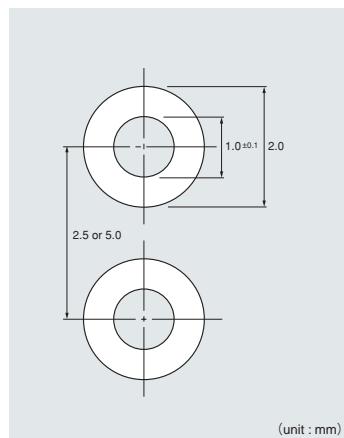
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)						Electrical and Optical Characteristics (Ta=25°C)					
			Power Dissipation PD(mW)	Forward Current If(mA)	Peak Forward Current IfP(mA)	Reverse Voltage VR(V)	Operating Temperature Topr(°C)	Storage Temperature Tstg(°C)	Forward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

\*: Duty 1/5, 200Hz

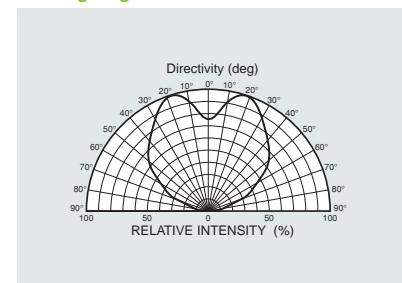
## Dimensions



## Recommended Solder Pattern

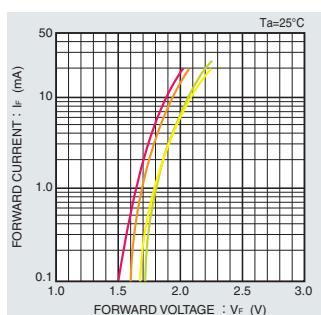


## Viewing Angle

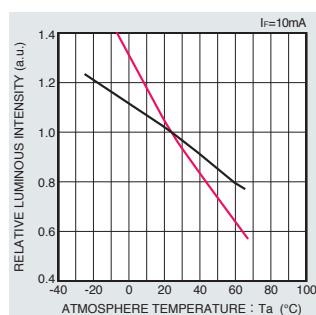


## Electrical Characteristics Curves

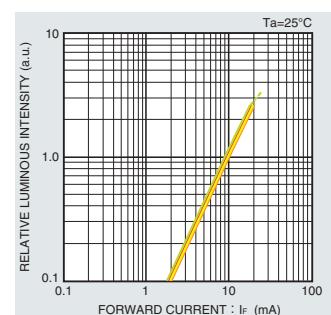
## Forward Current-Forward Voltage



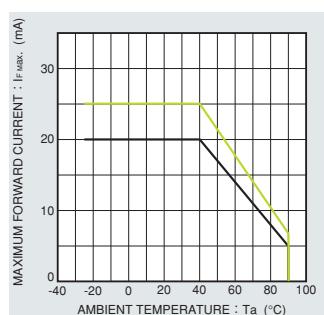
## Luminous Intensity-Atmosphere Temperature



## Luminous Intensity-Forward Current



## Derating



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

## Rank Reference of Brightness

### ■ Red (V)

(Ta=25°C, Ir=10mA)												
	Viewing angle (20°1/2)	Brightness Rank	E	F	G	H	J	K	L	M	N	
φ3 Cylinder type	115°	Resin Color	Diffused Colored	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

\*SLC-22VR

### ■ Orange (D)

(Ta=25°C, Ir=10mA)												
	Viewing angle (20°1/2)	Brightness Rank	E	F	G	H	J	K	L	M	N	
φ3 Cylinder type	115°	Resin Color	Diffused Colored	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

\*SLC-22DU

### ■ Yellow (Y)

(Ta=25°C, Ir=10mA)												
	Viewing angle (20°1/2)	Brightness Rank	E	F	G	H	J	K	L	M	N	
φ3 Cylinder type	115°	Resin Color	Diffused Colored	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

\*SLC-22YY

### ■ Green (M)

(Ta=25°C, Ir=10mA)												
	Viewing angle (20°1/2)	Brightness Rank	E	F	G	H	J	K	L	M	N	
φ3 Cylinder type	115°	Resin Color	Diffused Colored	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

\*SLC-22MG

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

## Part No. Construction

**S L C – 2 2 Y C 3 F K**

Series name

Package type

Emitting Color

Resin Color

Taping specifications

Rank sign (Brightness Rank)\*

V	Red:630nm
D	Orange:605nm
Y	Yellow:587(590)nm
M	Yellowish-Green:572(563)nm

R	<Red> Diffused Colored
U	<Orange> Diffused Colored
Y	<Yellow> Diffused Colored
G	<Green> Diffused Colored

3F	1-Element straight bulk
T□□	See taping specifications

\* 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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