

# SLR-343 Series

## Features

- Viewing angle  $2\theta$  1/2 : 40°
- Competent to direct mount

Color Type	V	D	Y	M
	P	E	B	WB

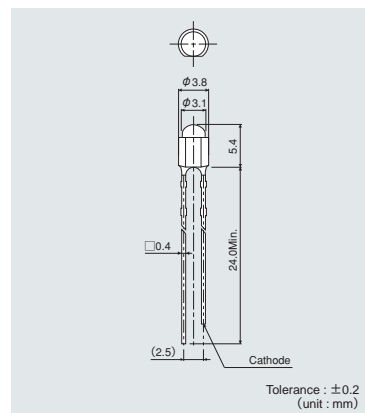
## Specifications

Viewing angle  $2\theta$  1/2 / 40°: Standard

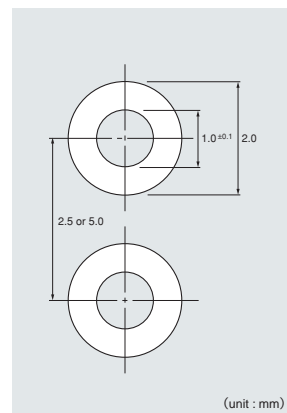
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25℃)						Electrical and Optical Characteristics (Ta=25℃)																							
			Power Dissipation Pd(mW)	Forward Current If(mA)	Peak Forward Current IFP(mA)	Reverse Voltage VR(V)	Operating Temperature Topr(℃)	Storage Temperature Tstg(℃)	Forward Voltage VF Typ. (V)	Reverse Current IR Max. (μA)	VR(V)	Dominant Wavelength λ D Typ.(nm)		IF(mA)	Luminous Intensity Iv Min. (mcd) Typ. (mcd)		IF(mA)															
<div>SLR-343VR</div>	GaAsP on GaP	Red	60	20					2.0					630		5.6	16															
<div>SLR-343VC</div>																9.0	25															
<div>SLR-343DU</div>		Orange																			605		5.6	16								
<div>SLR-343DC</div>																							9.0	25								
<div>SLR-343YY</div>		Yellow			60±1	3	-25 to +85	-30 to +100								10	10	3	587	10	3.6	10										
<div>SLR-343YC</div>																					5.6	16										
<div>SLR-343MG</div>	GaP	Green							75	25					2.1				572		9.0	25										
<div>SLR-343MC</div>																					2.2	6.3										
<div>SLR-343PG</div>																																
<div>SLR-343PC</div>																																
<div>SLR343ECT</div>	Bluish Green	120							30					3.3															527		900	2200
<div>SLR343EC4T</div>																															420	1500
<div>SLR343BCT</div>	InGaP	Blue	120	30	100±2	5	-20 to +80	-30 to +100	3.3	20	100	5		20	200	600																
<div>SLR343BC7T</div>			105	25					470						220																	
<div>SLR343BC4T</div>			120	30					3.2						200	470																
<div>SLR343WBC7T</div>		White	105	25									(x, y) (0.31, 0.31)		330	680																

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

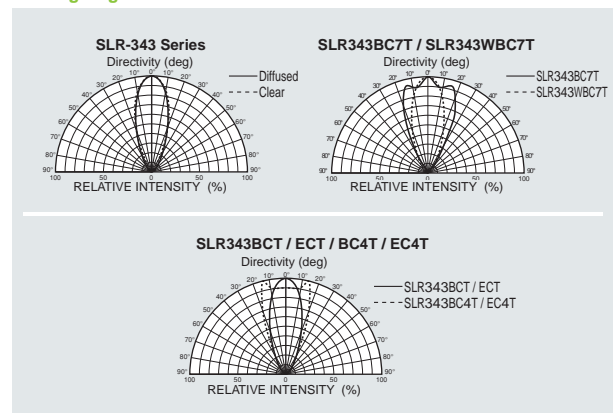
## Dimensions



## Recommended Solder Pattern

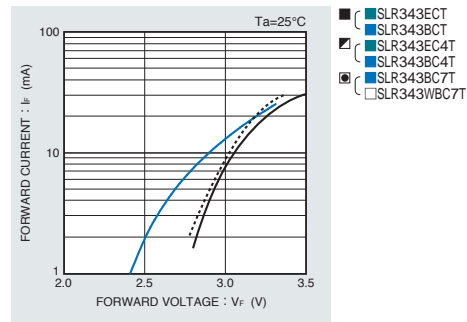
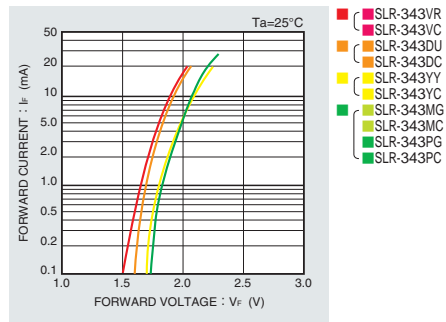


## Viewing Angle

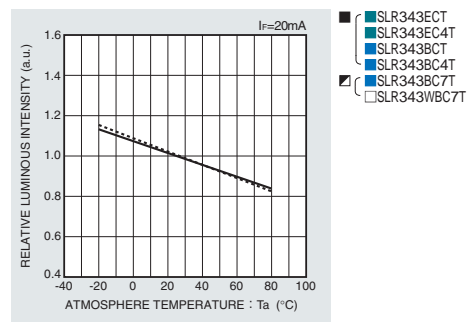
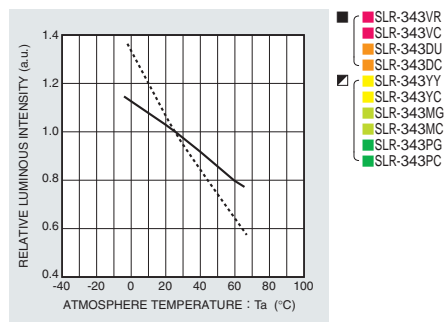


## Electrical Characteristics Curves

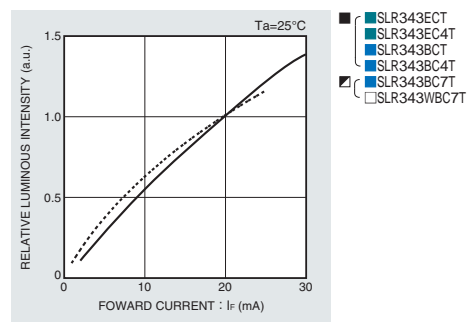
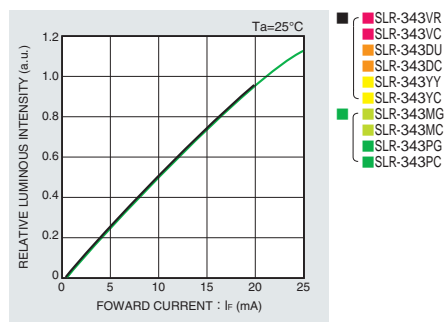
### Forward Current-Forward Voltage



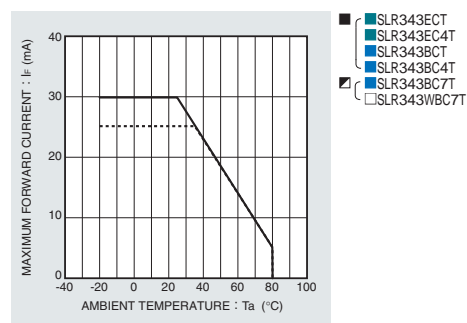
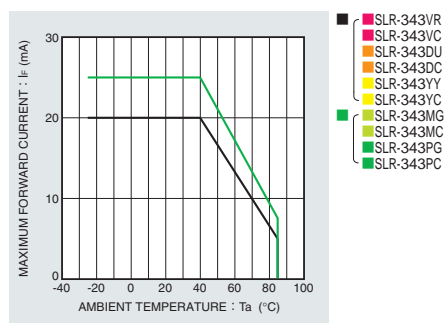
### Luminous Intensity-Ambient Temperature



### Luminous Intensity-Forward Current



### Derating



## 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	P	Q	R	S	T	U	V
φ3 Circular type	40°	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	25 to 40	40 to 63	63 to 100	100 to 160	160 to 250	250 to 400	400 to 630
		Transparent Colored																
		Diffused Colored																

SLR-343VC

SLR-343VR

## ■ Orange (D)

(Ta=25°C, If=10mA)

	Viewing angle (2θ1/2)	Brightness Rank	Brightness (mcd)															
			E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
φ3 Circular type	40°	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	25 to 40	40 to 63	63 to 100	100 to 160	160 to 250	250 to 400	400 to 630
		Transparent Colored																
		Diffused Colored																

SLR-343DC

SLR-343DU

## ■ Yellow (Y)

(Ta=25°C, If=10mA)

	Viewing angle (2θ1/2)	Brightness Rank	Brightness (mcd)															
			E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
φ3 Circular type	40°	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	25 to 40	40 to 63	63 to 100	100 to 160	160 to 250	250 to 400	400 to 630
		Transparent Colored																
		Diffused Colored																

SLR-343YC

SLR-343YY

## ■ Green (M, P)

(Ta=25°C, If=10mA)

	Viewing angle (2θ1/2)	Brightness Rank	Brightness (mcd)															
			E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
φ3 Circular type	40°	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	25 to 40	40 to 63	63 to 100	100 to 160	160 to 250	250 to 400	400 to 630
		Transparent Colored																
		Diffused Colored																
		Diffused Colored																
		Transparent Colored																

SLR-343MC

SLR-343MG

SLR-343PG

SLR-343PC

## ■ Bluish Green (E)

(Ta=25°C, If=20mA)

	Viewing angle (2θ1/2)	Brightness Rank	Brightness (mcd)															
			XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU				
φ3 Circular type	40°	Resin Color	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				
		Transparent																
		Colorless																

\*SLR343EC4T

\*SLR343ECT

## ■ Blue (B)

(Ta=25°C, If=20mA)

	Viewing angle (2θ1/2)	Brightness Rank	Brightness (mcd)															
			XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU				
φ3 Circular type	40°	Resin Color	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				
		Transparent																
		Colorless																
		Colorless																

SLR343BC7T

\*SLR343BC4T

\*SLR343BCT

## ■ White (WB)

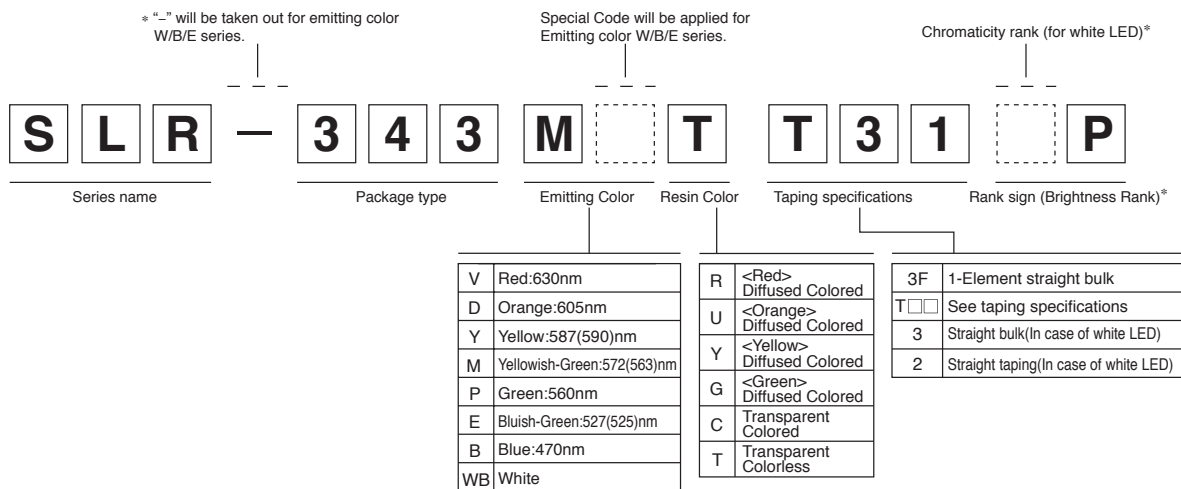
(Ta=25°C, If=20mA)

	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
		Resin Color											
φ3 Circular type	40°	Transparent Colorless	SLR343WBC7T										

SLR343WBC7T

\*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.

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