

# SLR-342 Series

## Features

- Viewing angle  $2\theta_{1/2}$  : 40°

Color Type ■ V ■ D ■ Y ■ M

## Specifications

Viewing angle  $2\theta_{1/2}$  / 40°: 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 IR Max.(μA)	Reverse Voltage VR(V)	Dominant Wavelength λD Typ.(nm)	Luminous Intensity Iv Min.(mcd)	Typ.(mcd)	IF(mA)	
■ SLR-342VC	GaAsP on GaP	Red	60	20	60*	3	-25 to +85	-30 to +100	2.0	10	10	3	630	9.0	25	10
■ SLR-342DC		Orange											605			
■ SLR-342YC		Yellow											587			
■ SLR-342MC	GaP	Yellowish Green	75	25	60*	3	-25 to +85	-30 to +100	2.1	10	10	3	572	9.0	25	10
■ SLR-342VR	GaAsP on GaP	Red	60	20					630							
■ SLR-342DU		Orange							605							
■ SLR-342YY	GaP	Yellow	75	25	60*	3	-25 to +85	-30 to +100	2.1	10	10	3	587	3.6	10	10
■ SLR-342MG		Yellowish Green							572				5.6			

\*SLR-342 series are only available as formed lead types. SLR-343 series are recommended for bulk, and straight lead types.

\*:Duty1/5, 200Hz

## Dimensions



## Recommended Solder Pattern

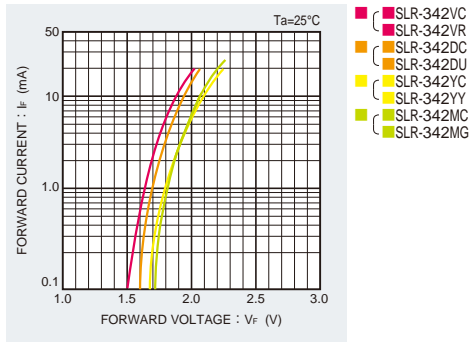


## Viewing Angle

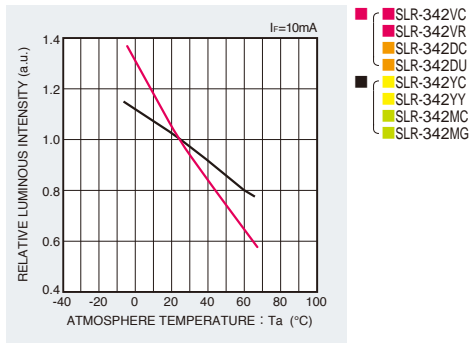


## Electrical Characteristics Curves

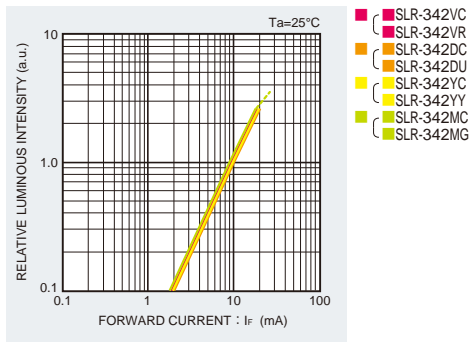
### Forward Current-Forward Voltage



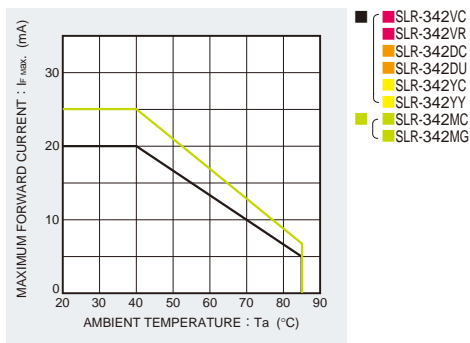
### Luminous Intensity-Atmosphere Temperature



### Luminous Intensity-Forward Current



### Derating



## Rank Reference of Brightness

### Red (V)

(Ta=25°C, If=10mA)

Viewing angle (2θ1/2)	Brightness Rank	Resin Color	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
φ3 Circular type	40°	Transparent Colored																
		Diffused Colored																

\*SLR-342VC  
\*SLR-342VR

### Orange (D)

(Ta=25°C, If=10mA)

Viewing angle (2θ1/2)	Brightness Rank	Resin Color	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
φ3 Circular type	40°	Transparent Colored																
		Diffused Colored																

\*SLR-342DC  
\*SLR-342DU

### Yellow (Y)

(Ta=25°C, If=10mA)

Viewing angle (2θ1/2)	Brightness Rank	Resin Color	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
φ3 Circular type	40°	Transparent Colored																
		Diffused Colored																

\*SLR-342YC  
\*SLR-342YY

### Green (M)

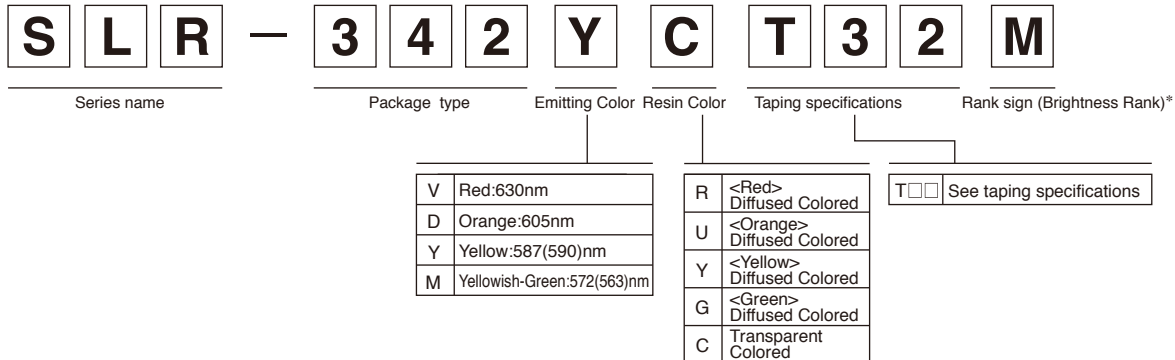
(Ta=25°C, If=10mA)

Viewing angle (2θ1/2)	Brightness Rank	Resin Color	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
φ3 Circular type	40°	Transparent Colored																
		Diffused Colored																

\*SLR-342MC  
\*SLR-342MG

\*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.

## Packing Specification

ROHM LED products are being shipped with desiccant (silica gel) concluded in moisture-proof bags.  
 Pasting the moisture sensitive label on the outer surface of the moisture-proof bags or enclosing the humidity indication card inside the bag is available upon request.  
 Please contact the nearest sales office or distributor if necessary.

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