

SLR-342 Series

Features

- Viewing angle $2\theta_{1/2}$: 40°

 Color Type V D Y M

Specifications

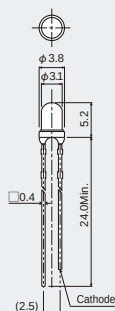
 Viewing angle $2\theta_{1/2}$: 40°: Standard

Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25℃)						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 V _f Typ.(V)	Reverse Current I _r Max. (μA)	Dominant Wavelength λ D Typ.(nm)	Luminous Intensity I _v Min.(mcd)	Typ. (mcd)	I _v (mA)						
■ SLR-342VC	GaAsP on GaP	Red							2.0				630		9.0	25				
■ SLR-342DC		Orange	60	20									605							
■ SLR-342YC		Yellow							2.1				587		5.6	16				
■ SLR-342MC	GaP	Yellowish Green	75	25	60*	3	-25 to +85	-30 to +100	10	10	3	10	572	9.0	25	10				
■ SLR-342VR	Red																	630		
■ SLR-342DU	GaAsP on GaP	Orange	60	20																
■ SLR-342YY		Yellow							587		3.6	10								
■ SLR-342MG	GaP	Yellowish Green	75	25					2.1				572		5.6	16				

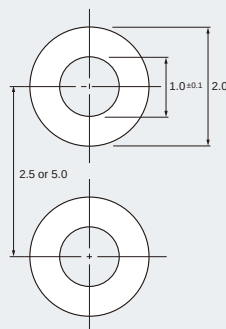
*SLR-342 series are only available as formed lead types. SLR-343 series are recommended for bulk, and straight lead types.

*:Duty1/5, 200Hz

Dimensions

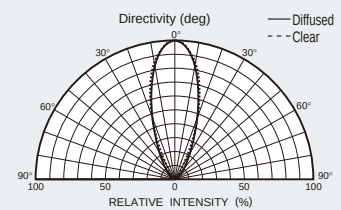

 Tolerance : ±0.2
(unit : mm)

Recommended Solder Pattern



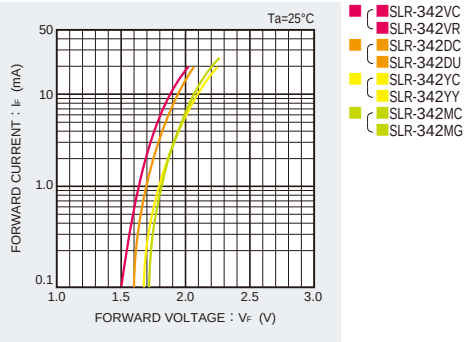
(unit : mm)

Viewing Angle

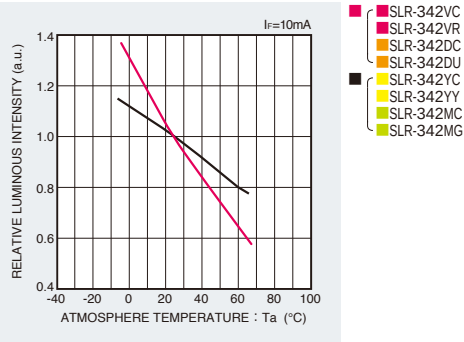


Electrical Characteristics Curves

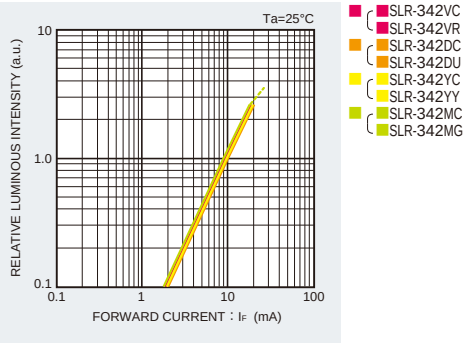
Forward Current-Forward Voltage



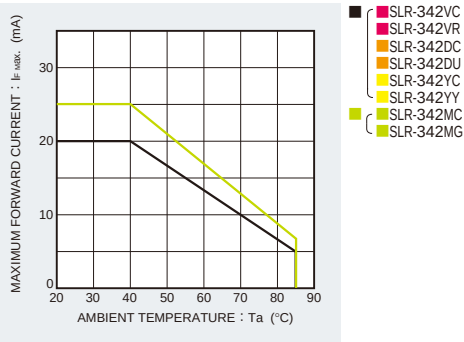
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



Rank Reference of Brightness

Red (V)

(Ta=25°C, If=10mA)

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

Orange (D)

(Ta=25°C, If=10mA)

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

Yellow (Y)

(Ta=25°C, If=10mA)

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

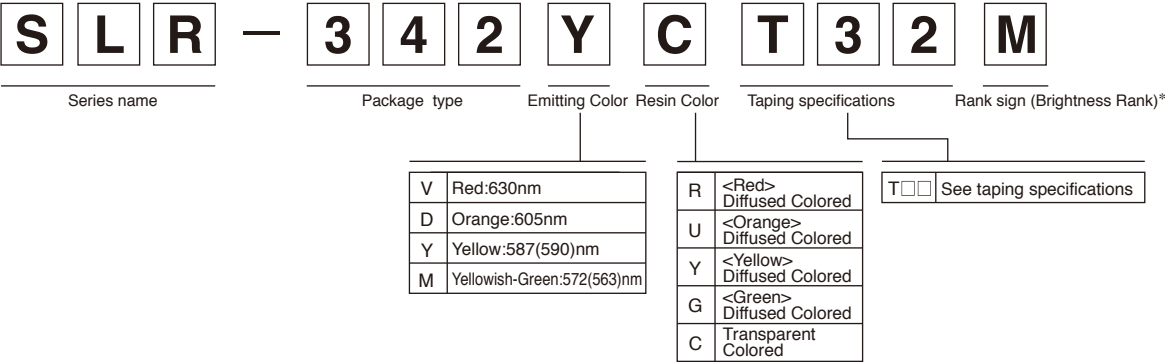
Green (M)

(Ta=25°C, If=10mA)

	Viewing angle (2θ1/2)	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	40°	Resin Color																
Circular type		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.

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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