

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)	IF(mA)	Reverse Current IR Max.(μA)	VR(V)	Dominant Wavelength λD Typ.(nm)	IF(mA)	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	10	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	10	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	10	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

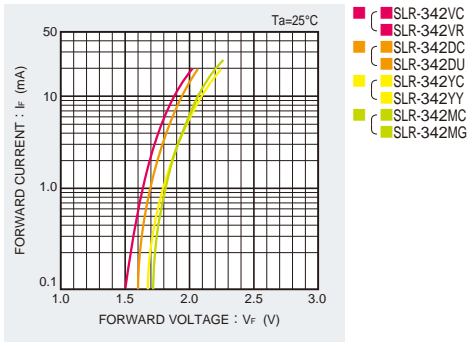


Viewing Angle

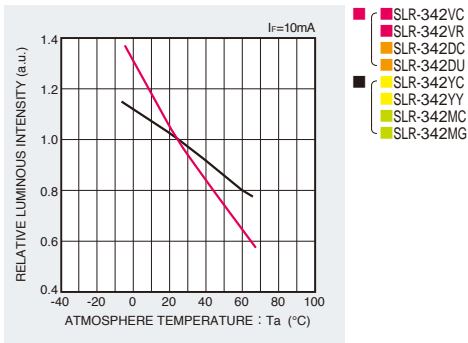


Electrical Characteristics Curves

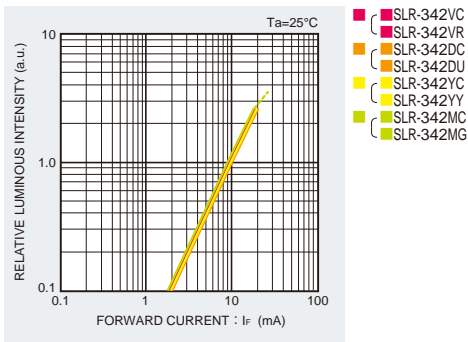
Forward Current-Forward Voltage



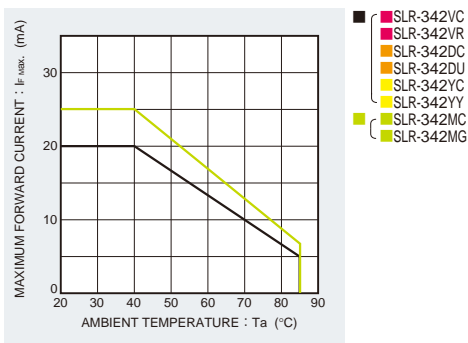
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



Rank Reference of Brightness

Red (V)

(Ta=25°C, If=10mA)

Viewing angle (2θ1/2)	Brightness Rank	Brightness (mcd)	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V
			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 Circular type	40°	Resin Color																
		Transparent Colored																
		Diffused Colored																

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
			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 Circular type	40°	Resin Color																
		Transparent Colored																
		Diffused Colored																

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
			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 Circular type	40°	Resin Color																
		Transparent Colored																
		Diffused Colored																

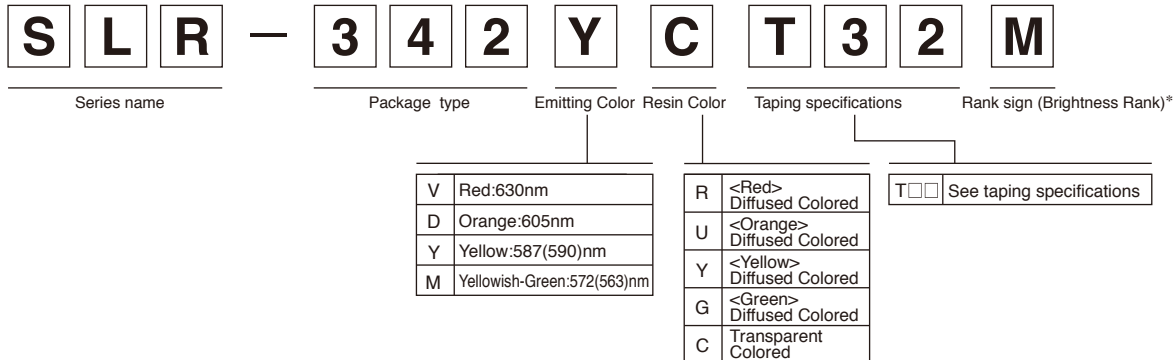
Green (M)

(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
			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 Circular type	40°	Resin Color																
		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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