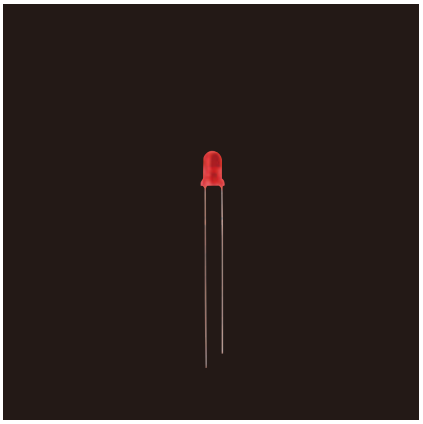


SLR-342 Series

Features

・**Viewing angle 2θ 1/2 : 40˚**

Color Type: V D Y M

Specifications

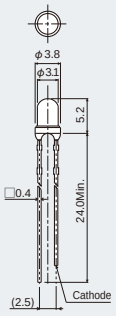
Viewing angle 2θ 1/2 / 40˚: Standard

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)	IF(mA)	Reverse Current IR Max.(μA)	VR(V)	Dominant Wavelength λD Typ.(nm)	IF(mA)	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	10	9.0	25	10
■ SLR-342DC		Orange											605				
■ SLR-342YC		Yellow							2.1				587		5.6	16	
■ SLR-342MC	GaP	Yellowish Green	75	25									572		9.0	25	
■ SLR-342VR	GaAsP on GaP	Red	60	20					2.0				630		5.6	16	
■ SLR-342DU		Orange											605				
■ SLR-342YY		Yellow							2.1				587		3.6	10	
■ SLR-342MG	GaP	Yellowish Green	75	25									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.

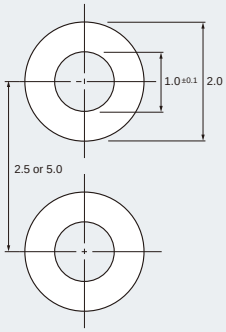
＊:Duty1/5, 200Hz

Dimensions



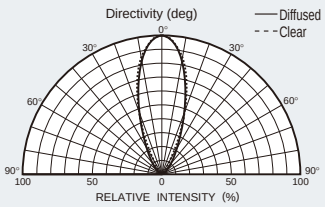
Tolerance : ±0.2
(unit : mm)

Recommended Solder Pattern



(unit : mm)

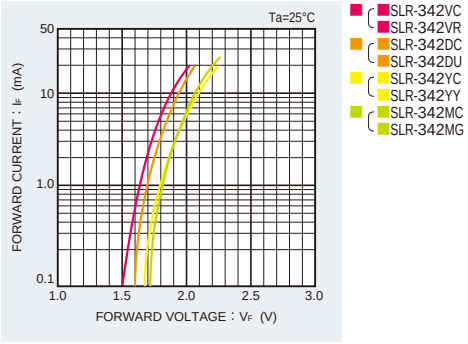
Viewing Angle



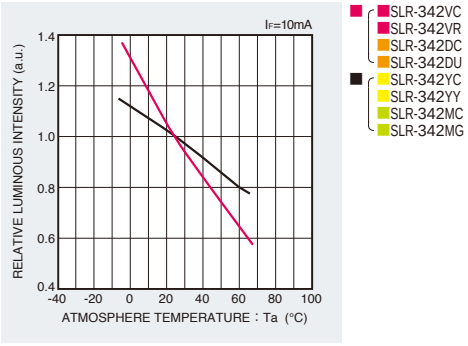
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Electrical Characteristics Curves

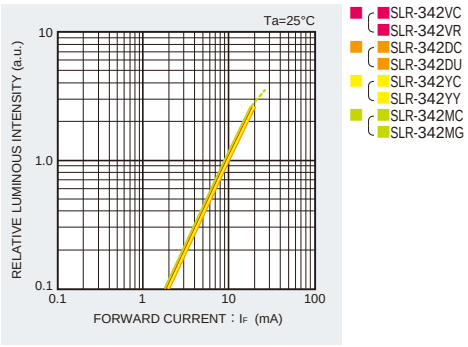
Forward Current-Forward Voltage



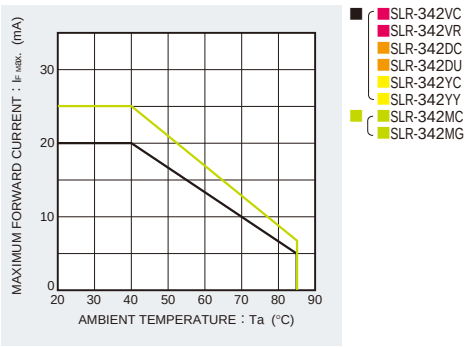
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



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Rank Reference of Brightness

Red (V)

(Ta=25°C, IF=10mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	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°	Transparent Colored								※SLR-342VC								
		Diffused Colored							※SLR-342VR									

Orange (D)

(Ta=25°C, IF=10mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	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°	Transparent Colored								※SLR-342DC								
		Diffused Colored							※SLR-342DU									

Yellow (Y)

(Ta=25°C, IF=10mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	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°	Transparent Colored							※SLR-342YC									
		Diffused Colored						※SLR-342YY										

Green (M)

(Ta=25°C, IF=10mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	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°	Transparent Colored								※SLR-342MC								
		Diffused Colored							※SLR-342MG									

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

Part No. Construction

S	L	R	–	3	4	2	Y	C	T	3	2	M
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
C	Transparent Colored

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.

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 distributer if necessary.

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