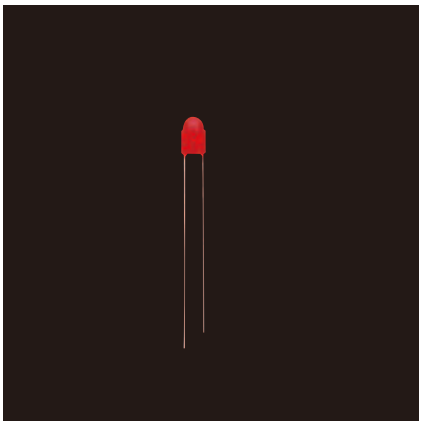


SLR-343 Series

Features

・Viewing angle 2θ 1/2 : 40˚
・Competent to direct mount

Color Type: V D Y M / P E B WB

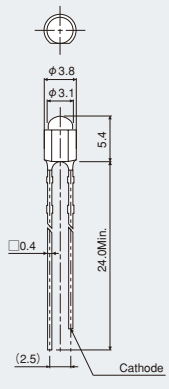
Specifications

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-343VR	GaAsP on GaP	Red	60	20	60∗1	3	-25 to +85	-30 to +100	2.0	10	10	3	630	10	5.6	16	10
SLR-343VC															9.0	25	
SLR-343DU		Orange											605		5.6	16	
SLR-343DC															9.0	25	
SLR-343YY		Yellow											587		3.6	10	
SLR-343YC															5.6	16	
SLR-343MG	GaP	Green	75	25					2.1				572		9.0	25	
SLR-343MC																	
SLR-343PG													560		2.2	6.3	
SLR-343PC																	
SLR343ECT	InGaN on SiC	Bluish Green	120	30	100∗2	5	-20 to +80	-30 to +100	3.3	20	100	5	527	20	900	2200	20
SLR343EC4T									3.2				525		420	1500	
SLR343BCT		Blue	120	30					3.3				470		200	600	
SLR343BC7T			105	25											220	470	
SLR343BC4T			120	30					3.2						200		
SLR343WBC7T		White	105	25									(x, y) (0.31, 0.31)		330	680	

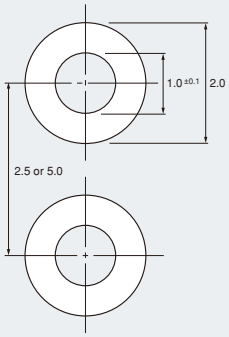
∗1:Duty1/5, 200Hz, ∗2:Duty1/10, 1kHz

Dimensions



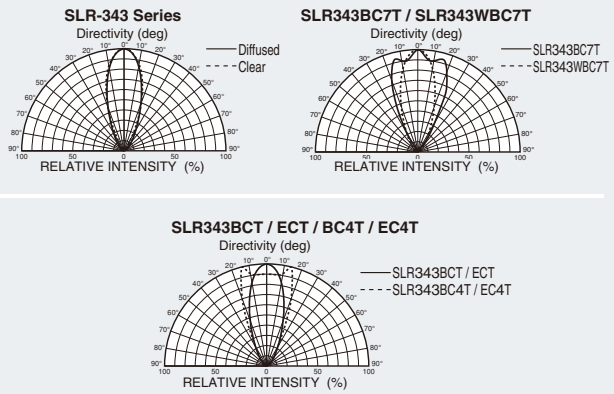
Tolerance : ±0.2
(unit : mm)

Recommended Solder Pattern



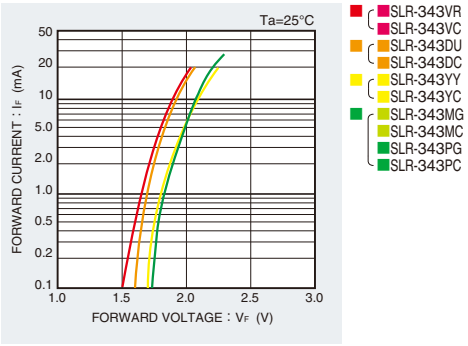
(unit : mm)

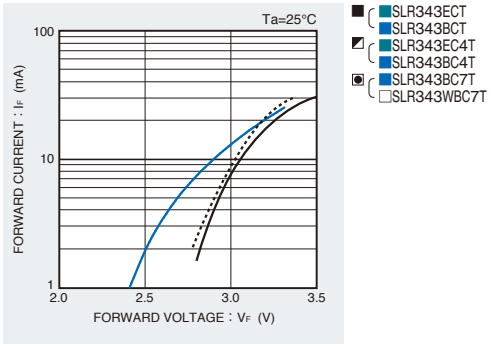
Viewing Angle



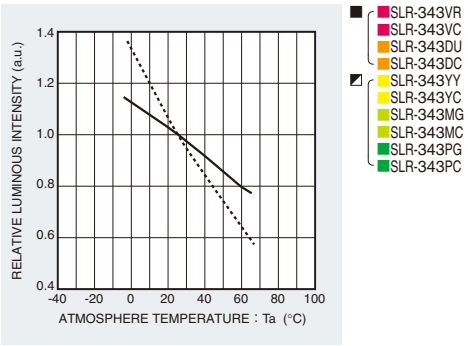
Electrical Characteristics Curves

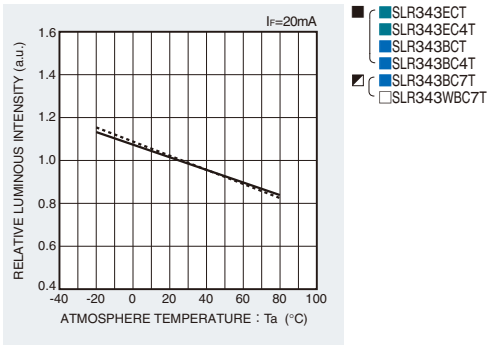
Forward Current-Forward Voltage



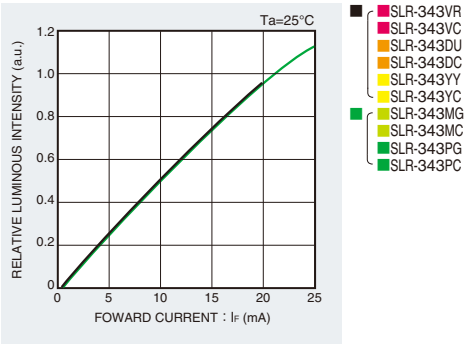


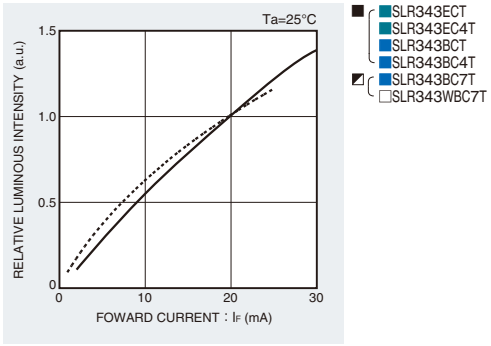
Luminous Intensity-Atmosphere Temperature



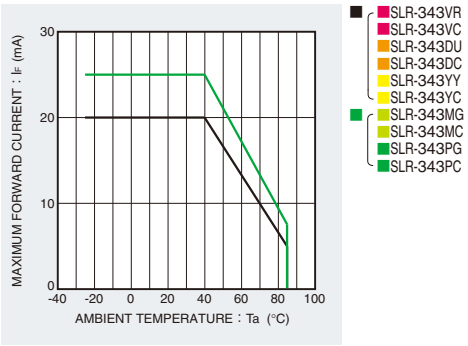


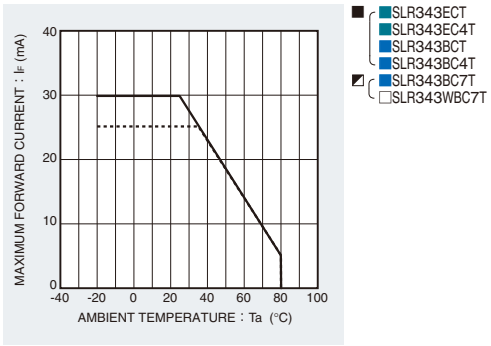
Luminous Intensity-Forward Current





Derating





Rank Reference of Brightness

Red (V)

(Ta=25°C, IF=20mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	E 0.40 to 0.63	F 0.63 to 1.0	G 1.0 to 1.6	H 1.6 to 2.5	J 2.5 to 4.0	K 4.0 to 6.3	L 6.3 to 10	M 10 to 16	N 16 to 25	P 25 to 40	Q 40 to 63	R 63 to 100	S 100 to 160	T 160 to 250	U 250 to 400	V 400 to 630
φ3 Circular type	40°	Transparent Colored								SLR-343VC								
		Diffused Colored							SLR-343VR									

Orange (D)

(Ta=25°C, IF=20mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	E 0.40 to 0.63	F 0.63 to 1.0	G 1.0 to 1.6	H 1.6 to 2.5	J 2.5 to 4.0	K 4.0 to 6.3	L 6.3 to 10	M 10 to 16	N 16 to 25	P 25 to 40	Q 40 to 63	R 63 to 100	S 100 to 160	T 160 to 250	U 250 to 400	V 400 to 630
φ3 Circular type	40°	Transparent Colored								SLR-343DC								
		Diffused Colored							SLR-343DU									

Yellow (Y)

(Ta=25°C, IF=20mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	E 0.40 to 0.63	F 0.63 to 1.0	G 1.0 to 1.6	H 1.6 to 2.5	J 2.5 to 4.0	K 4.0 to 6.3	L 6.3 to 10	M 10 to 16	N 16 to 25	P 25 to 40	Q 40 to 63	R 63 to 100	S 100 to 160	T 160 to 250	U 250 to 400	V 400 to 630
φ3 Circular type	40°	Transparent Colored							SLR-343YC									
		Diffused Colored						SLR-343YY										

Green (M, P)

(Ta=25°C, IF=20mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	E 0.40 to 0.63	F 0.63 to 1.0	G 1.0 to 1.6	H 1.6 to 2.5	J 2.5 to 4.0	K 4.0 to 6.3	L 6.3 to 10	M 10 to 16	N 16 to 25	P 25 to 40	Q 40 to 63	R 63 to 100	S 100 to 160	T 160 to 250	U 250 to 400	V 400 to 630
φ3 Circular type	40°	Transparent Colored								SLR-343MC								
		Diffused Colored							SLR-343MG									
		Transparent					SLR-343PG											
		Colorless					SLR-343PC											

Bluish Green (E)

(Ta=25°C, IF=20mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	XH 150 to 220	XJ 220 to 330	XK 330 to 473	XL 470 to 680	XM 680 to 1000	XN 1000 to 1500	XP 1500 to 2200	XQ 2200 to 3300	XR 3300 to 4700	XS 4700 to 6800	XT 6800 to 10000	XU 10000 to 15000
φ3 Circular type	40°	Transparent				※SLR343EC4T								
		Colorless						※SLR343ECT						

Blue (B)

(Ta=25°C, IF=20mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	XH 150 to 220	XJ 220 to 330	XK 330 to 473	XL 470 to 680	XM 680 to 1000	XN 1000 to 1500	XP 1500 to 2200	XQ 2200 to 3300	XR 3300 to 4700	XS 4700 to 6800	XT 6800 to 10000	XU 10000 to 15000
φ3 Circular type	40°	Transparent Colorless		SLR343BC7T										
				※SLR343BC4T										
				※SLR343BCT										

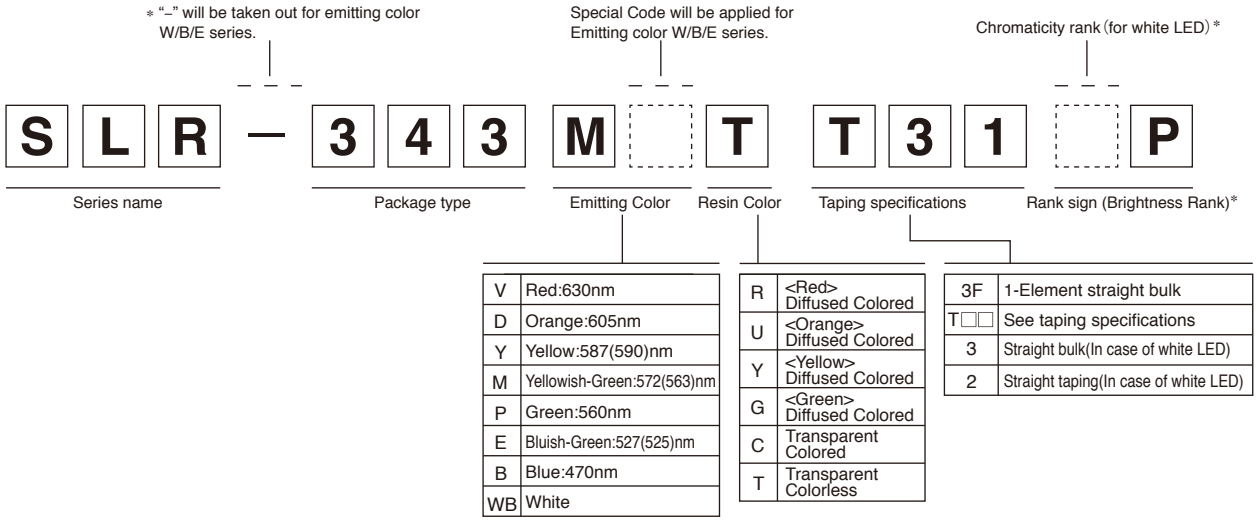
White (WB)

(Ta=25°C, IF=20mA)

	Viewing angle (2θ1/2)	Brightness Rank / Brightness (mcd) / Resin Color	XJ 220 to 330	XK 330 to 473	XL 470 to 680	XM 680 to 1000	XN 1000 to 1500	XP 1500 to 2200	XQ 2200 to 3300	XR 3300 to 4700	XS 4700 to 6800	XT 6800 to 10000	XU 10000 to 15000
φ3 Circular type	40°	Transparent Colorless		SLR343WBC7T									

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

Part No. Construction



V	Red:630nm
D	Orange:605nm
Y	Yellow:587(590)nm
M	Yellowish-Green:572(563)nm
P	Green:560nm
E	Bluish-Green:527(525)nm
B	Blue:470nm
WB	White

R	<Red> Diffused Colored
U	<Orange> Diffused Colored
Y	<Yellow> Diffused Colored
G	<Green> Diffused Colored
C	Transparent Colored
T	Transparent Colorless

3F	1-Element straight bulk
T□□	See taping specifications
3	Straight bulk(In case of white LED)
2	Straight taping(In case of white LED)

＊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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