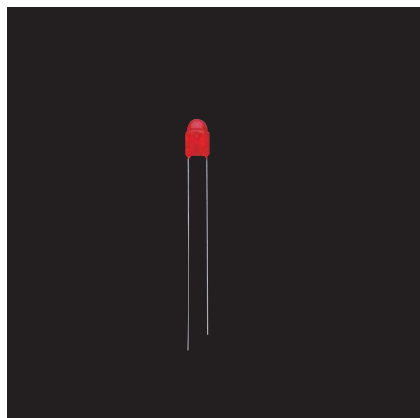




SLR-343 Series

Features

- Viewing angle 2θ 1/2 : 40°
- Competent to direct mount

Color Type	V	D	Y	M
	P	E	B	WB

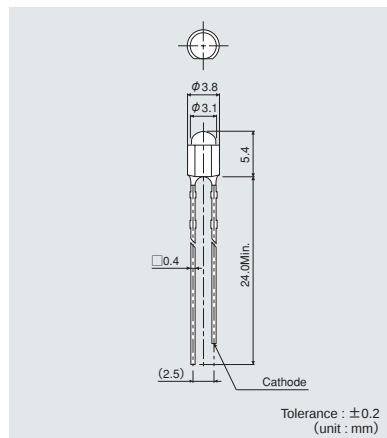
Specifications

 Viewing angle 2θ 1/2 : 40° : Standard

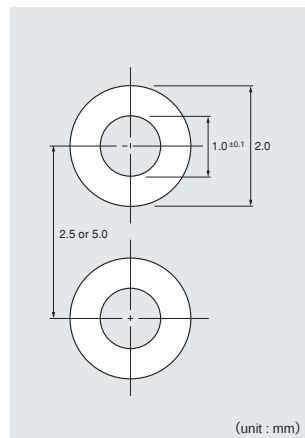
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)						Electrical and Optical Characteristics (Ta=25°C)																							
			Power Dissipation Pd(mW)	Forward Current If(mA)	Peak Forward Current Ifp(mA)	Reverse Voltage Vr(V)	Operating Temperature Topr(°C)	Storage Temperature Tstg(°C)	Forward Voltage V _f Typ. (V)	Forward Current If(mA)	Reverse Current I _r Max. (μA)	Reverse Voltage Vr(V)	Dominant Wavelength λ D Typ.(nm)	Forward Current If(mA)	Luminous Intensity I _v Min. (mcd)	Typ. (mcd)	I _v (mA)															
■ SLR-343VR	GaAsP on GaP	Red	60	20					2.0				630		5.6	16																
■ SLR-343VC															9.0	25																
■ SLR-343DU		Orange																		605	5.6	16										
■ SLR-343DC																					9.0	25										
■ SLR-343YY	Yellow			60*1	3	-25 to +85	-30 to +100			10	10	3		587			10			3.6	10	10										
■ SLR-343YC																				5.6	16											
■ SLR-343MG	GaP							Green	75				25						2.1					572		9.0	25					
■ SLR-343MC																										2.2	6.3					
■ SLR-343PG																																
■ SLR-343PC																																
■ SLR343ECT	InGaN							Bluish Green	120				30							3.3					527					900	2200	
■ SLR343EC4T																														3.2	525	
■ SLR343BCT		Blue	120	30	100*2	5	-20 to +80	-30 to +100	3.3	20	100	5					20		200	600		20										
■ SLR343BC7T			105	25					220										470													
■ SLR343BC4T		120	30												3.2								200	470								
□ SLR343WBC7T		White	105																				25									

* 1: Duty 1/5, 200Hz, * 2: Duty 1/10, 1kHz

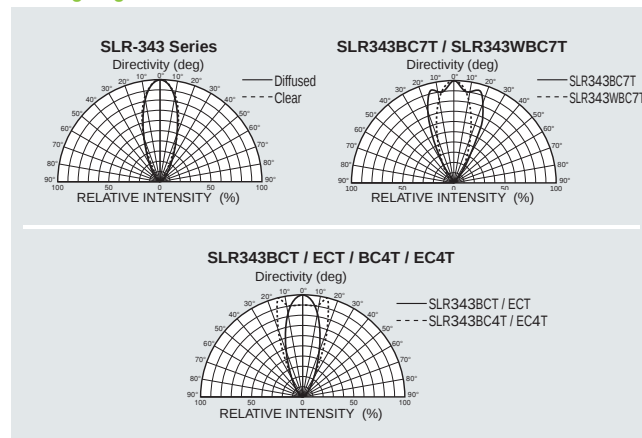
Dimensions



Recommended Solder Pattern

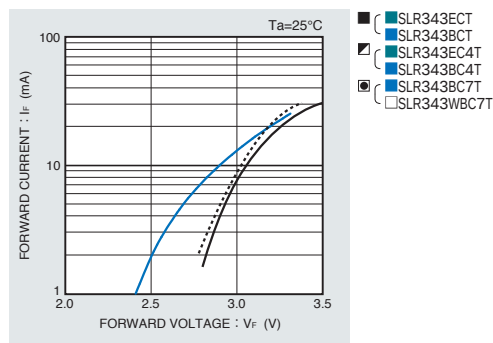
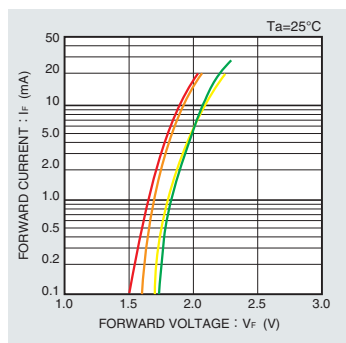


Viewing Angle

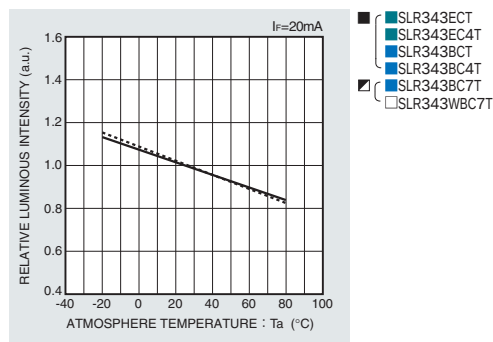
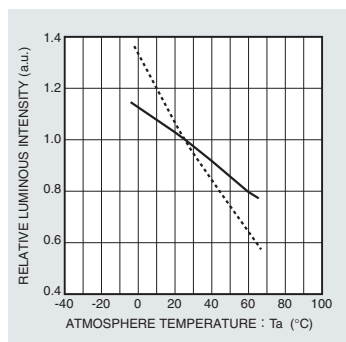


Electrical Characteristics Curves

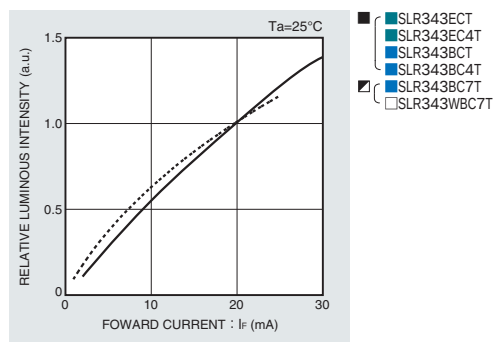
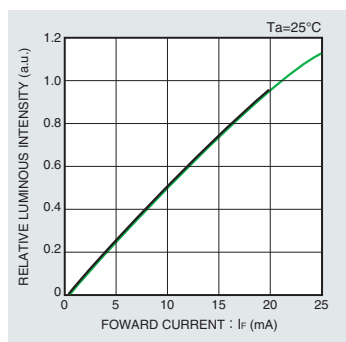
Forward Current-Forward Voltage



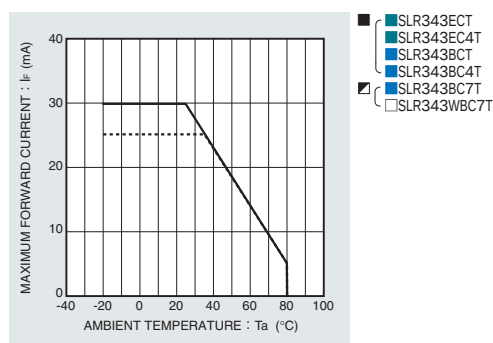
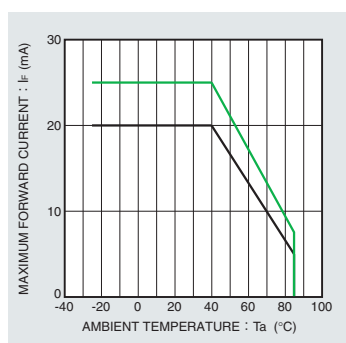
Luminous Intensity-Atmosphere Temperature



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																

SLR-343VC

SLR-343VR

■ 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																

SLR-343DC

SLR-343DU

■ 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																

SLR-343YC

SLR-343YY

■ Green (M, P)

(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																
		Diffused Colored																
		Transparent Colored																

SLR-343MC

SLR-343MG

SLR-343PG

SLR-343PC

■ Bluish Green (E)

(Ta=25°C, If=20mA)

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

*SLR343EC4T

*SLR343ECT

■ Blue (B)

(Ta=25°C, If=20mA)

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

SLR343BC7T

*SLR343BC4T

*SLR343BCT

■ White (WB)

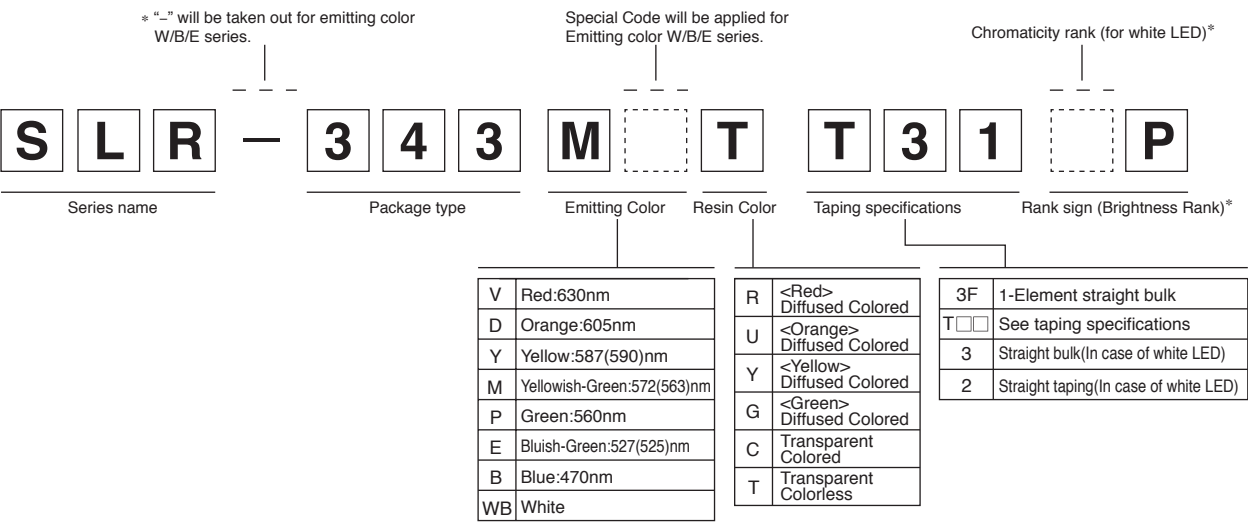
(Ta=25°C, If=20mA)

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

SLR343WBC7T

※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.

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