



SLI-343 8 Series

EXCELED™

Features

- Viewing angle 2θ 1/2 : 40°
- High brightness
- Low current consumption
- Competent to direct mount



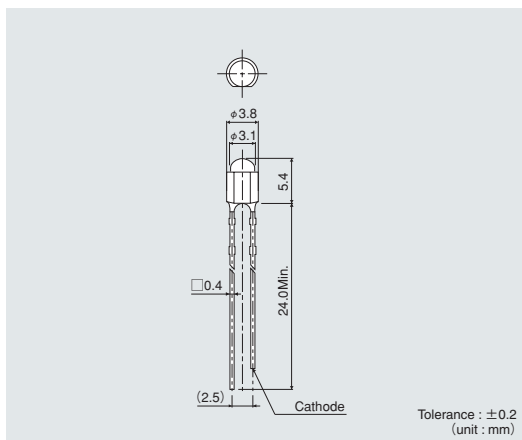
Specifications

Viewing angle 2θ 1/2 : 40°: EXCELED™

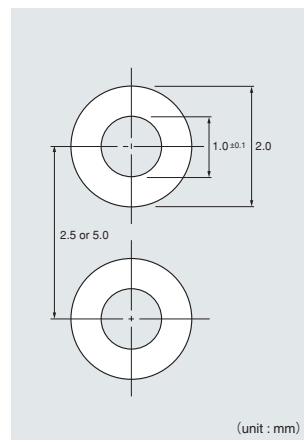
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)					Electrical and Optical Characteristics (Ta=25°C)									
			Power Dissipation Pd (mW)	Forward Current If (mA)	Peak Forward Current Ifp (mA)	Reverse Voltage Vr (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg (°C)	Forward Voltage V _F Typ. (V)	Forward Current I _F (mA)	Reverse Current I _R Max. (μA)	Reverse Voltage V _R (V)	Dominant Wavelength λ D Typ. (nm)	Beam Diameter D Typ. (mm)	Beam Diameter D Typ. (mm)	Min. Luminous Intensity I _v (mcd)	Typ. Luminous Intensity I _v (mcd)
SLI-343V8RC	AlGaInP on GaAs	Red	54	20	100*	9	-30 to +85	-40 to +100	2.2	20	10	9	630	20	150	330	20
SLI-343U8RC													620				
SLI-343D8C		Orange											605	330	680		
SLI-343Y8C													590				
SLI-343M8C		Yellowish Green											572	68	150		
SLI-343P8C		Green											560	10	22		
SLI-343V8R		Red											630	100	220		
SLI-343U8R													620				
SLI-343D8U		Orange											605	220	470		
SLI-343Y8Y		Yellow											590	68	150		
SLI-343M8G		Yellowish Green											572				
SLI-343P8G		Green											560	10	22		

*:Duty1/10, 1kHz

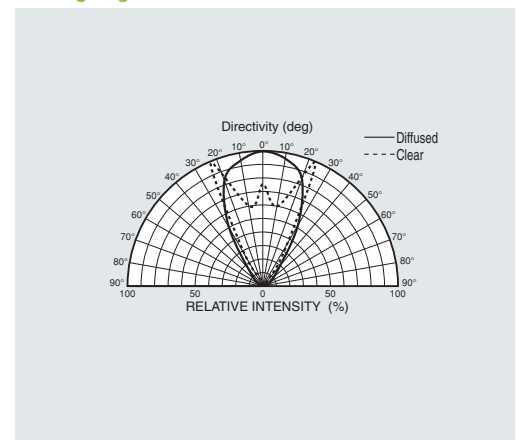
Dimensions



Recommended Solder Pattern



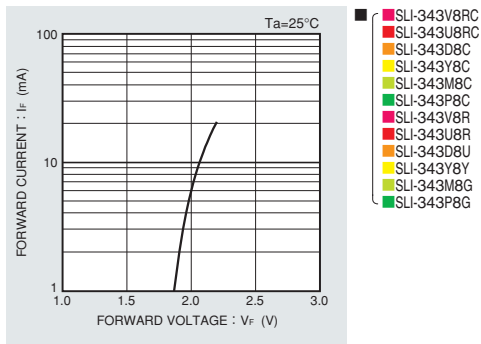
Viewing Angle



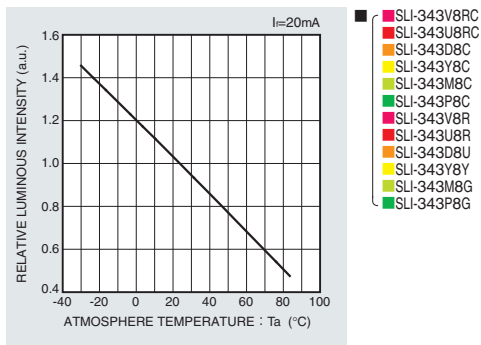
* EXCELED™ is ROHM's pending trademark.

Electrical Characteristics Curves

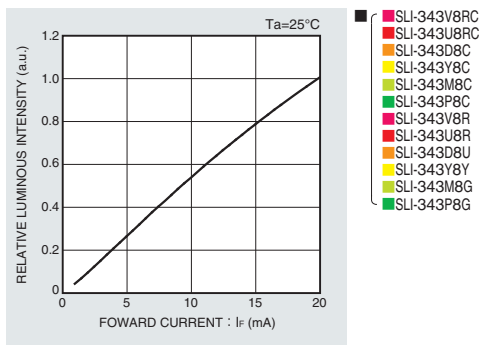
Forward Current-Forward Voltage



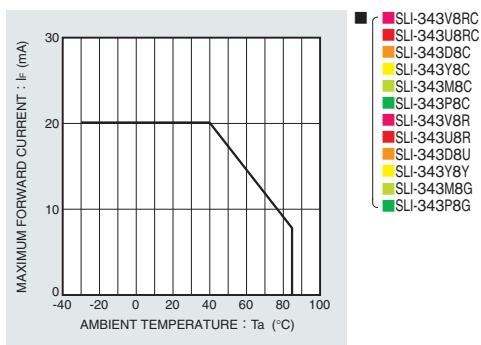
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



Rank Reference of Brightness

Red (V, U)

(Ta=25°C, If=20mA)

Viewing angle (2θ1/2)	High Brightness Rank Brightness (mcd)	Resin Color	XA	XB	XC	XD	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU		
			10 to 15	15 to 22	22 to 33	33 to 47	47 to 68	68 to 100	100 to 150	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°	Transparent Colored																					
		Diffused Colored																					

Orange (D)

(Ta=25°C, If=20mA)

Viewing angle (2θ1/2)	High Brightness Rank Brightness (mcd)	Resin Color	XA	XB	XC	XD	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU		
			10 to 15	15 to 22	22 to 33	33 to 47	47 to 68	68 to 100	100 to 150	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°	Transparent Colored																					
		Diffused Colored																					

Yellow (Y)

(Ta=25°C, If=20mA)

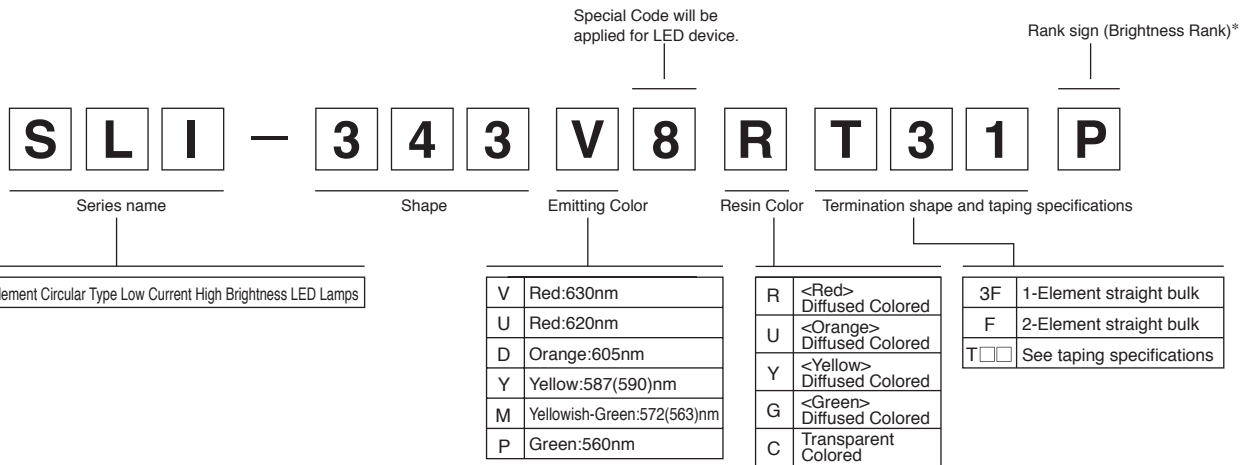
Viewing angle (2θ1/2)	High Brightness Rank Brightness (mcd)	Resin Color	XA	XB	XC	XD	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU		
			10 to 15	15 to 22	22 to 33	33 to 47	47 to 68	68 to 100	100 to 150	150 to 220	220 to 330	330 to 470	470 to 680	680 to 1000	1000 to 1500	1500 to 2200	2200 to 3300	3300 to 4700	4700 to 6800	6800 to 10000	10000 to 15000		
φ3 Circular type	40°	Transparent Colored																					
		Diffused Colored																					

Green (M, P)

(Ta=25°C, If=20mA)

Viewing angle (2θ1/2)	High Brightness Rank Brightness (mcd)	Resin Color	XA	XB	XC	XD	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU		
			10 to 15	15 to 22	22 to 33	33 to 47	47 to 68	68 to 100	100 to 150	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°	Transparent Colored																					
		Diffused Colored																					

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.

Notes

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