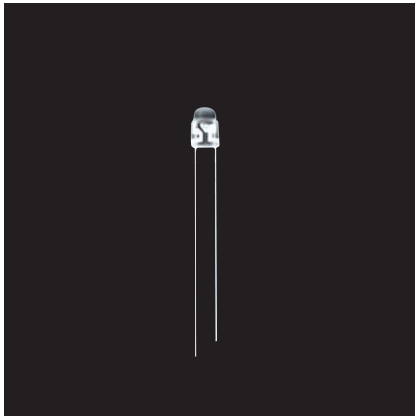




SLI-343 8 Series EXCELED™

Features

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

Color Type

V	U	D	Y	M	P
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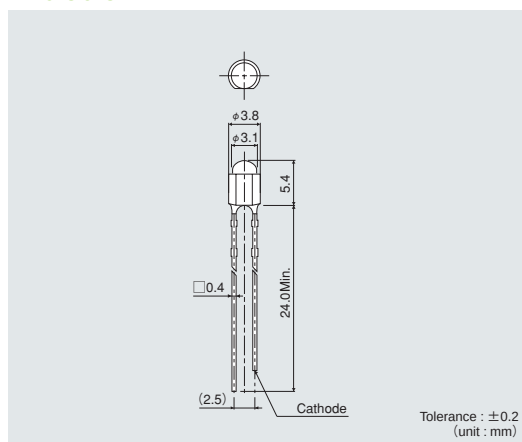
Specifications

Viewing angle 2θ 1/2 : 40°: EXCELED™

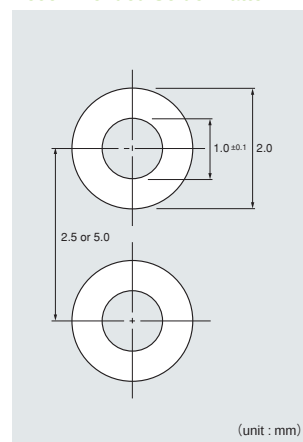
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)						Electrical and Optical Characteristics (Ta=25°C)										
			Power Dissipation Pd (mW)	Forward Current If (mA)	Peak Forward Current Ifp (mA)	Reverse Voltage Vr (V)	Operating Temperature Topr (°C)	Storage Temperature Tstg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

*: Duty 1/10, 1kHz

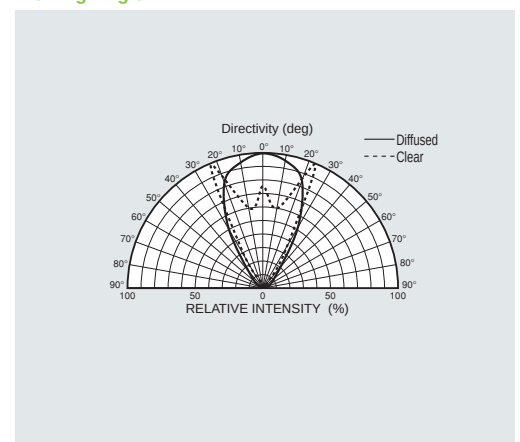
Dimensions



Recommended Solder Pattern



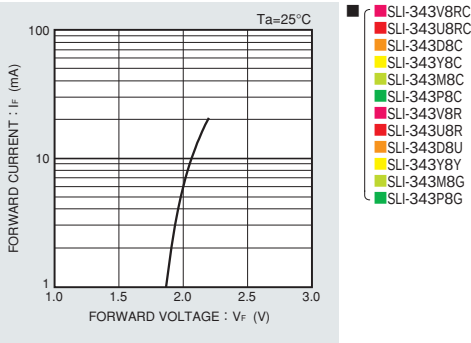
Viewing Angle



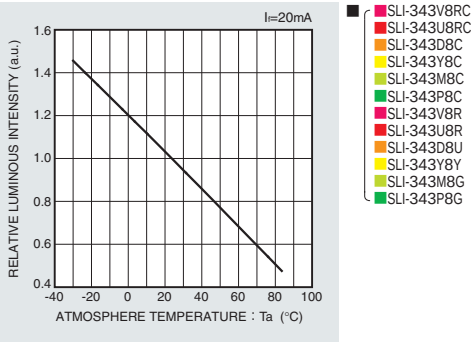
* EXCELED™ is ROHM's pending trademark.

Electrical Characteristics Curves

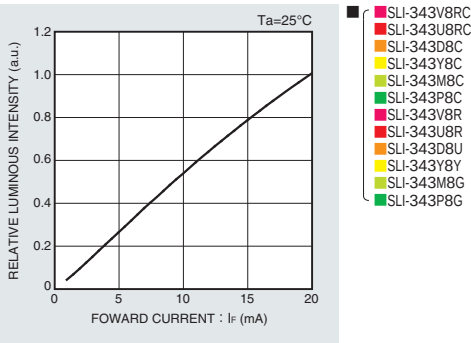
Forward Current-Forward Voltage



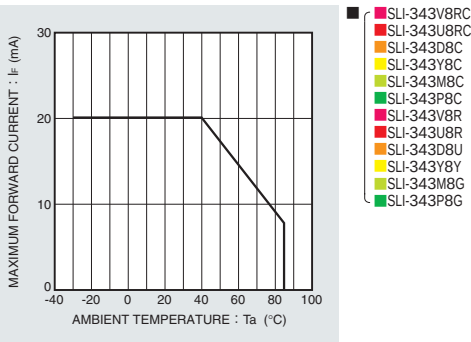
Luminous Intensity-Atmosphere Temperature



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)	XA	XB	XC	XD	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
		Resin Color	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											SLI-343U8RC								
													SLI-343V8RC								
		Diffused Colored											SLI-343U8R								
													SLI-343V8R								

Orange (D)

(Ta=25°C, If=20mA)

	Viewing angle (2θ1/2)	High Brightness Rank Brightness (mcd)	XA	XB	XC	XD	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
		Resin Color	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												SLI-343D8C							
														SLI-343D8U							
		Diffused Colored																			

Yellow (Y)

(Ta=25°C, If=20mA)

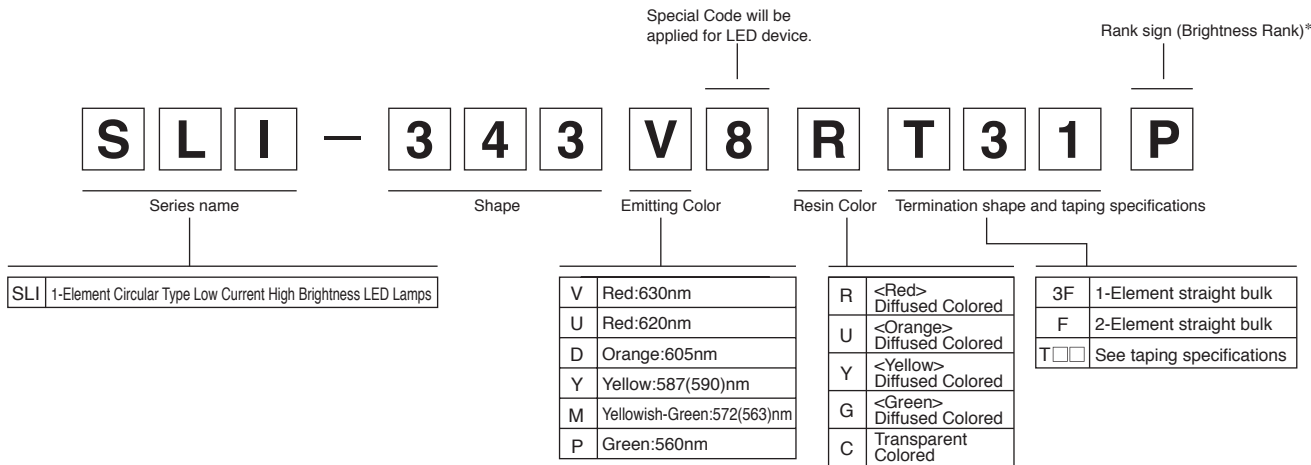
	Viewing angle (2θ1/2)	High Brightness Rank Brightness (mcd)	XA	XB	XC	XD	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
		Resin Color	10 to 15	15 to 22	22 to 33	33 to 47	47 to 68	68 to 100	100 to 150	150 to 220	220 to 330	330 to 470	470 to 680	680 to 1000	1000 to 1500	1500 to 2200	2200 to 3300	3300 to 4700	4700 to 6800	6800 to 10000	10000 to 15000
φ3 Circular type	40°	Transparent Colored												SLI-343Y8C							
														SLI-343Y8Y							
		Diffused Colored																			

Green (M, P)

(Ta=25°C, If=20mA)

	Viewing angle (2θ1/2)	High Brightness Rank Brightness (mcd)	XA	XB	XC	XD	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
		Resin Color	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												SLI-343M8C							
														SLI-343P8C							
		Diffused Colored												SLI-343M8G							
														SLI-343P8G							

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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