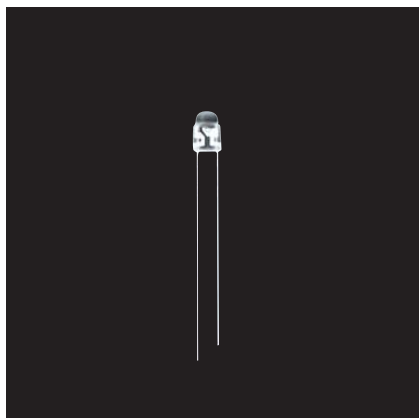




SLI-343 □ 8 Series

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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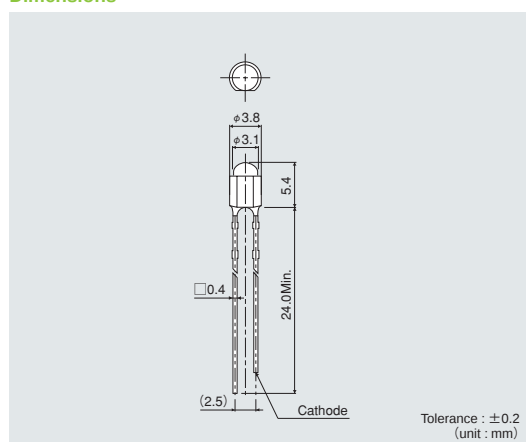
Specifications

 Viewing angle 2θ 1/2 : 40° : EXCELED™

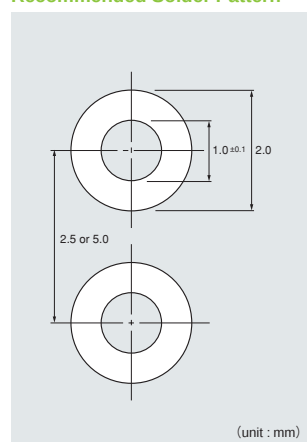
Part No.	Chip Structure	Emitting Color	Absolute Maximum Ratings (Ta=25°C)						Electrical and Optical Characteristics (Ta=25°C)									
			Power Dissipation Pd(mW)	Forward Current IF(mA)	Peak Forward Current I _{FP} (mA)	Reverse Voltage VR(V)	Operating Temperature Topr(°C)	Storage Temperature Tstg(°C)	Forward Voltage V _f Typ.(V)	IF(mA)	Reverse Current I _r Max.(μA)	VR(V)	Dominant Wavelength λ D Typ.(nm)		Luminous Intensity Iv If(mA)		Min.(mcd)	Typ.(mcd)
SLI-343V8RC	AlGaInP on GaAs	Red												630		150	330	
SLI-343U8RC														620				
SLI-343D8C														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

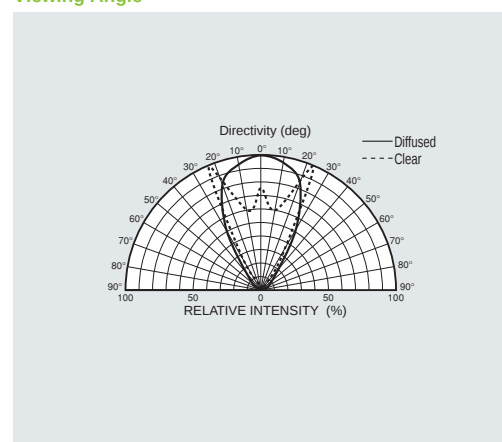
Dimensions



Recommended Solder Pattern



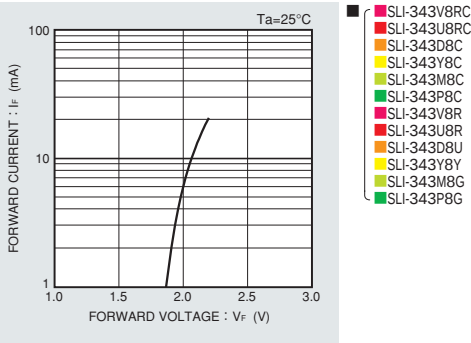
Viewing Angle



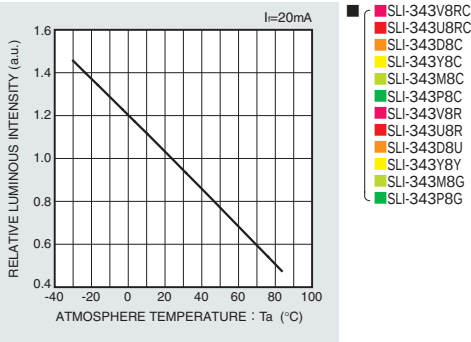
* EXCELED™ is ROHM's pending trademark.

Electrical Characteristics Curves

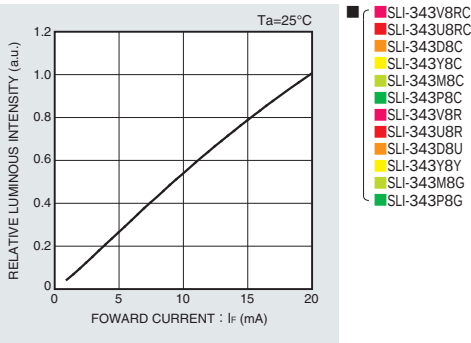
Forward Current-Forward Voltage



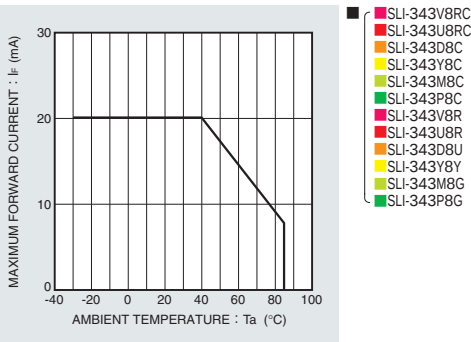
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



Rank Reference of Brightness

Red (V, U)

	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)

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

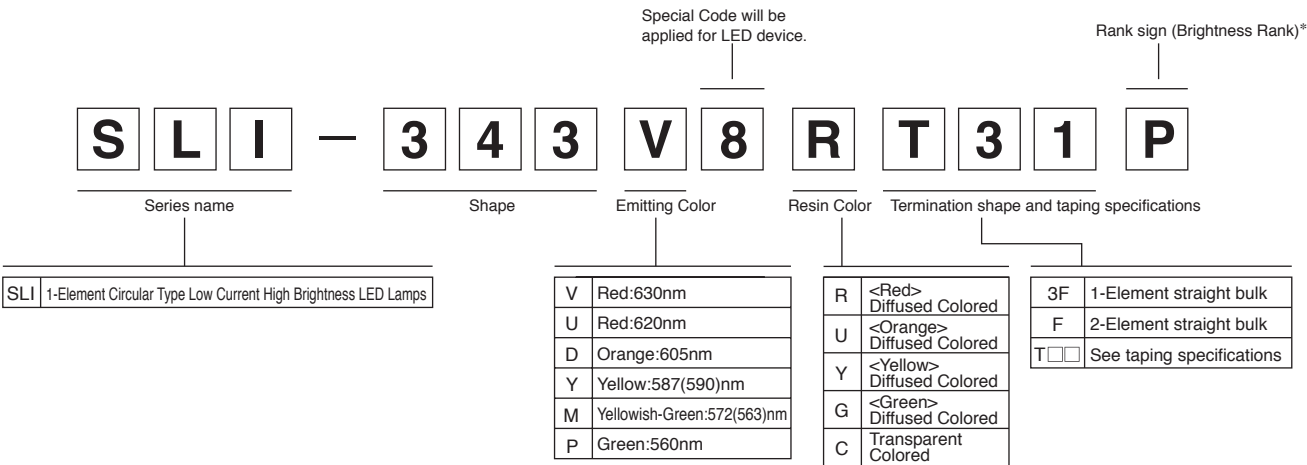
Yellow (Y)

		(Ta=25°C, If=20mA)																		
Viewing angle (2θ1/2)	High Brightness Rank	XA	XB	XC	XD	XE	XF	XG	XH	XJ	XK	XL	XM	XN	XP	XQ	XR	XS	XT	XU
		Brightness (mcd)	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
φ3 Circular type	40°	Resin Color																		
		Transparent Colored																		
		Diffused Colored																		
											SLI-343Y8C									
											SLI-343Y8Y									

Green (M, P)

	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-343P8C					SLI-343M8C													
		Diffused Colored	SLI-343P8G					SLI-343M8G													

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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