



SLI-343 Series

Features

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











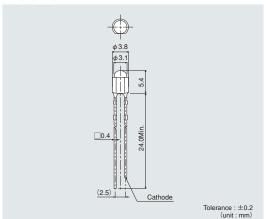
Specifications

Viewing angle 2 θ 1/2 / 40°: High luminous intensity

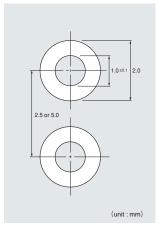
	<u> </u>																		
		Emitting Color		Abso	lute Maxim	um Rating	s (Ta=25°C)		Electrical and Optical Characteristics (Ta=25°C)										
Part No.	Chip		Power		Peak Forward		Operating		Forward Voltage VF Reverse Current IR Dominant Wavelength Luminous Intensity										
	Structure		Dissipation PD(mW)	Current IF(mA)	Current IFP(mA)	Voltage VR(V)	Temperature Topr(°C)	Temperature Tstg(°C)	Typ.(V)	IF(mA)	Max. (μA)	VR(V)	λ D Typ.(nm)	IF(mA)	Min. (mcd)	Typ. (mcd)	IF(mA)		
SLI-343URC		Red											620			450			
SLI-343DC		Orange	125	50	200*		-25 to +85		1.9				605		90	500			
SLI-343YC		Yellow											587			350			
SLI-343MC	AlGaInP on	Yellowish Green	62	25	100*	9	-25 to +80	-30 to +100	2.1	20	100	9	572	20	56	200	20		
SLI-343UR	GaAs	Red				3		-30 10 +100		20	100	9	620	20		350	20		
SLI-343DU		Orange	125	50	200*		-25 to +85		1.9				605		90	330			
SLI-343YY		Yellow											587			300			
SLI-343MG		Yellowish	62	25	100*		-25 to +80		2.1				572		56	180			

*:Duty1/10, 1kHz

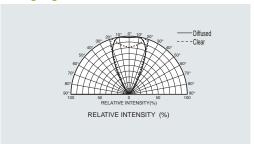
Dimensions



Recommended Solder Pattern

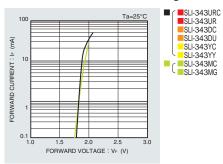


Viewing Angle

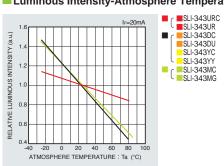


Electrical Characteristics Curves

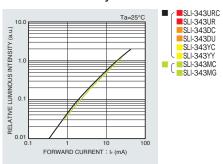
Forward Current-Forward Voltage



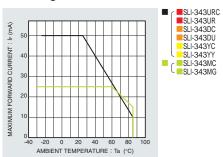
Luminous Intensity-Atmosphere Temperature



Luminous Intensity-Forward Current



Derating



Rank Reference of Brightness

Red (U)

(Ta=25°C, IF=20mA)

ſ		Viewing	Brightness Rank	Е	F	G	Н	J	K	L	М	N	Р	Q	R	S	Т	U	V
		angle (2θ1/2)	Resin Color	0.40 to 0.63	0.63 to 1.0		1.6 to 2.5	2.5 to 4.0				16 to 25		40 to 63			160 to 250		400 to 630
ſ	φ3	40°	Transparent Colored													*	SLI-3	43URC	;
- 1	Circular type 40		Diffused Colored													*SLI-343		343UR	

Orange (D)

(Ta=25°C, IF=20mA)

	Viewing	Brightness Rank	Е	F	G	Н	J	K	L	М	N	Р	Q	R	S	Т	U	V
	angle (2θ1/2)	Resin Color Brightness	0.40 to 0.63		1.0 to 1.6							25 to 40						400 to 630
φ3	40°	Transparent Colored														*SLI-3	43DC	
Circular type 40°		Diffused Colored														*SLI-3	43DU	

■Yellow (Y)

(Ta=25°C, IF=20mA)

	Viewing	Brightness Rank	Е	F	G	Н	J	K	L	М	N	Р	Q	R	S	Т	U	V
	angle (2θ1/2)	Resin Color (mcd)	0.40 to 0.63	0.63 to 1.0			2.5 to 4.0		6.3 to 10	10 to 16	16 to 25	25 to 40	40 to 63	63 to 100		160 to 250	250 to 400	
φ3	40°	Transparent Colored														*SLI-3	343YC	
Circular type	40	Diffused Colored														*SLI-3	343YY	

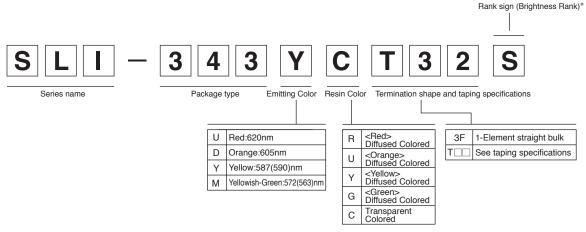
Green (M)

(Ta=25°C, IF=20mA)

	Viewing	Brightness Rank	Е	F	G	Н	J	K	L	М	N	Р	Q	R	S	Т	U	V
	angle (2θ1/2)	Brightness (mcd) Resin Color	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	40°	Transparent Colored													*SLI-3	43MC		
Circular type	40	Diffused Colored													*SLI-3	43MG		

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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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