




High Brightness Type $\phi 3.1$ Circular Type LED Lamps (LEDs with Pressure Release Structure)

SLI-343 Series

Pressure Release

Shape	Emitting Surface Dimension (mm)	Yellow		Orange		Red	
		AlGaInP on GaAs					
		590nm		611nm		630nm	
Circular Type	$\phi 3.1$						
		SLI-343YC	SLI-343YY	SLI-343DC	SLI-343DU	SLI-343URC	SLI-343UR

Absolute Maximum Ratings (Ta=25°C)

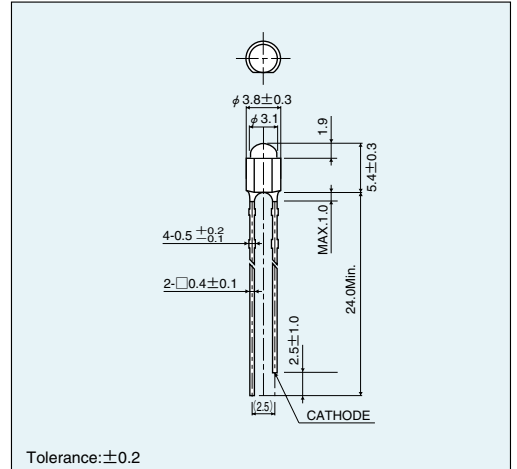
Part No.	Emitting color	Power dissipation Pd (mW)	Forward current IF (mA)	Peak forward current * IFP (mA)	Reverse voltage VR (V)	Operating temperature Topr (°C)	Storage temperature Tstg (°C)
SLI-343YC	Yellow	125	50	200	9	-25 to +85	-30 to +100
SLI-343YY							
SLI-343DC	Orange	125	50	200	9	-25 to +85	-30 to +100
SLI-343DU							
SLI-343URC	Red	125	50	200	9	-25 to +85	-30 to +100
SLI-343UR							

* IFP measured under duty $\leq 1/10$, pulse width $\leq 100\mu s$.

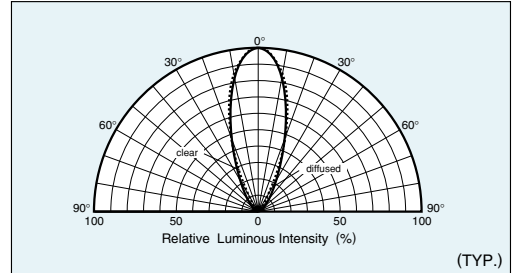
Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forward voltage VF		Reverse current IR		Light wavelength			Brightness Iv		
		Typ. (V)	IF (mA)	Max. (μA)	VR (V)	Peak λ_p (nm)	Half-wave $\Delta\lambda$ (nm)	IF (mA)	Min. (mcd)	Typ. (mcd)	IF (mA)
SLI-343YC	Colored Clear	1.9	20	100	9	591	15	20	90	350	20
SLI-343YY	Colored Diffused					300					
SLI-343DC	Colored Clear	1.9	20	100	9	611	17	20	90	500	20
SLI-343DU	Colored Diffused					350					
SLI-343URC	Colored Clear	1.9	20	100	9	630	20	20	90	450	20
SLI-343UR	Colored Diffused					350					

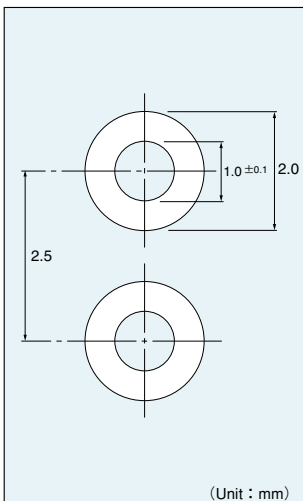
External Dimensions (Unit : mm)



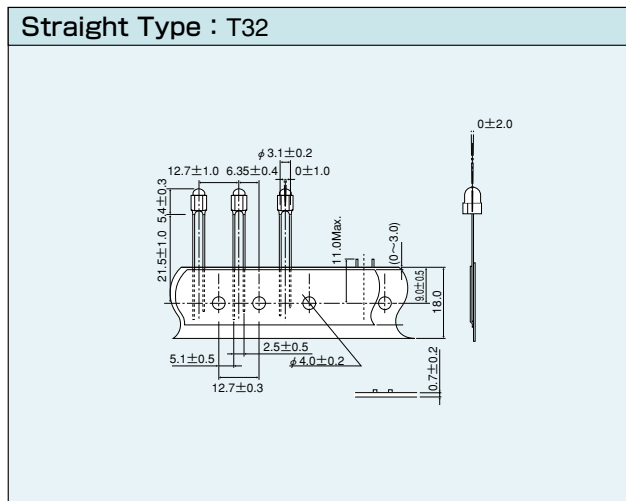
Directivity



Recommended Pad Layout

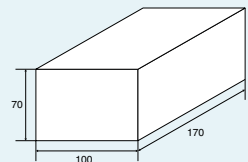


Packaging Specifications (Unit : mm)

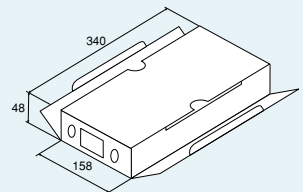


Packaging

Bulk(3F) : 2000pcs/Box

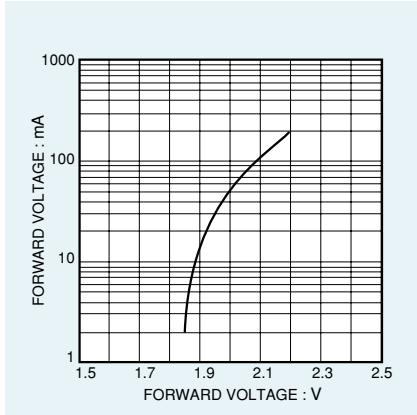


Tape : 2000pcs/Box



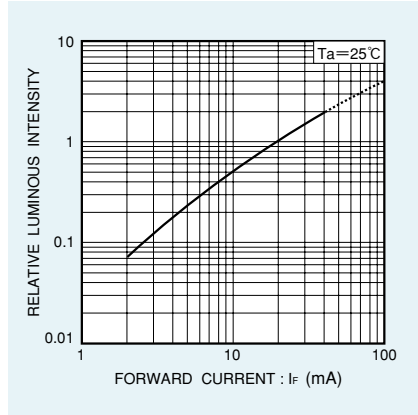
Electrical Characteristic Curves

Forward Current - Forward Voltage



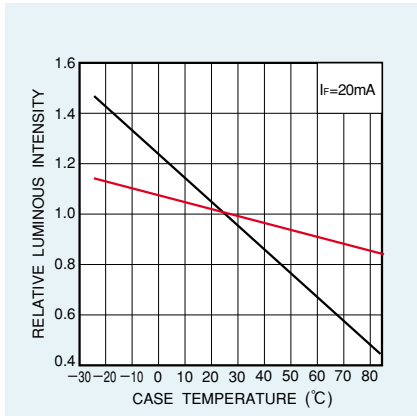
- SLI-343YC
- SLI-343YY
- SLI-343DC
- SLI-343DU
- SLI-343URC
- SLI-343UR

Relative Luminous Intensity - Case Temperature



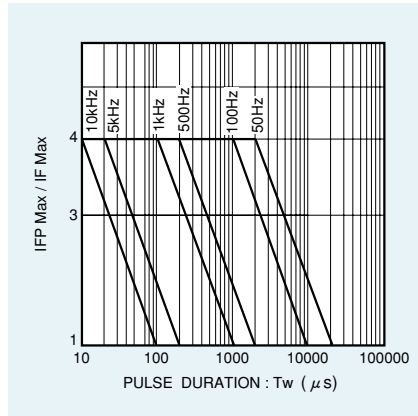
- SLI-343YC
- SLI-343YY
- SLI-343DC
- SLI-343DU
- SLI-343URC
- SLI-343UR

Relative Luminous Intensity - Forward Current



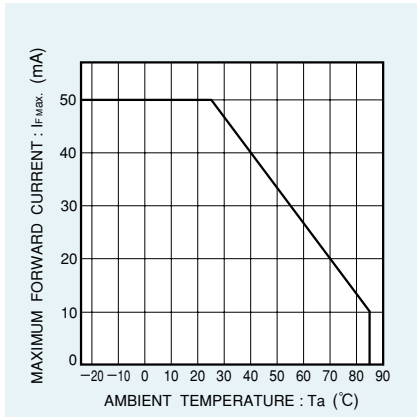
- SLI-343YC
- SLI-343YY
- SLI-343DC
- SLI-343DU
- SLI-343URC
- SLI-343UR

Ratio of Maximum Tolerable Peak Current - Pulse Duration



- SLI-343YC
- SLI-343YY
- SLI-343DC
- SLI-343DU
- SLI-343URC
- SLI-343UR

Derating



- SLI-343YC
- SLI-343YY
- SLI-343DC
- SLI-343DU
- SLI-343URC
- SLI-343UR

Notes

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