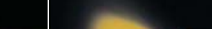
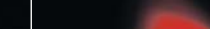


Pb Free
 ROHM Electronic Components

RoHS
 Directive Compliance

Pressure Release

Emitting Color	Pure Green	Green(Yellowish Green)	Yellow	Orange	Red	
Material	AlGaInP on GaAs					
Emitting Surface Dimension(mm)						
φ3.1						
Part No.	SLI-343P8C	SLI-343M8C	SLI-343Y8C	SLI-343D8C	SLI-343U8RC	SLI-343V8RC

Part No.	Emitting color	Power dissipation P _D (mW)	Forward current I _F (mA)	Peak forward current * I _{FP} (mA)	Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Storage temperature T _{stg} (°C)
SLI-343P8C	Pure Green						
SLI-343M8C	Green (Yellowish Green)						
SLI-343Y8C	Yellow	54	20	100	9	-30 to +85	-40 to +100
SLI-343D8C	Orange						
SLI-343U8RC	Red						
SLI-343V8RC							

Technical drawing of a cathode assembly. The drawing includes a side view and a top view. The side view shows a cylindrical component with a hemispherical tip. Dimensions include a total length of 24.0 Min., a hemispherical tip radius of 2.5 ± 1.0, a central hole diameter of 3.1, and a total diameter of 3.8 ± 0.3. A cathode label is at the bottom. The top view shows a circular cross-section with a central hole.

Top View: Circular cross-section with a central hole.

Side View: Cylindrical component with a hemispherical tip.

Dimensions:

- Total Length: 24.0 Min.
- Hemispherical Tip Radius: 2.5 ± 1.0
- Central Hole Diameter: 3.1
- Total Diameter: 3.8 ± 0.3
- Internal Hole Diameter: 3.1
- Internal Hole Length: 1.9
- Internal Hole Position: 4-0.5 +0.2 / -0.1
- Internal Hole Diameter: 2-□ 0.4 ± 0.1
- Internal Hole Position: MAX. 1.0
- Internal Hole Diameter: 2.5 ± 1.0
- Internal Hole Position: 5.4 ± 0.3

CATHODE

Tolerance: ±0.2

Part No.	Resin Color	Forward voltage V _F		Reverse current I _R		Light wavelength Peak λ _p Half-wave Δλ			Brightness I _v		
		Typ. (V)	I _F (mA)	Max. (μA)	V _R (V)	Typ. (nm)	Typ. (nm)	I _F (mA)	Min. (mcd)	Typ. (mcd)	I _F (mA)
SLI-343P8C	Transparent Colored	2.2	20	10	9	560	18		10	22	
SLI-343M8C						572			68	150	
SLI-343Y8C						593	17	20	330	680	20
SLI-343D8C						611	19		150	330	
SLI-343U8RC						630	18				
SLI-343V8RC						639	20				

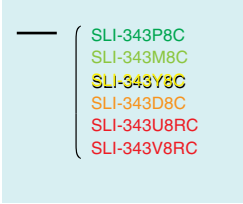
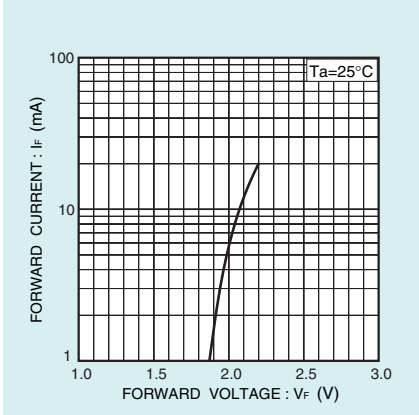
Strait Type:T32

Technical drawing of the tape box showing top and side views with dimensions:

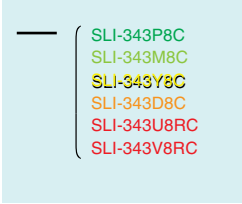
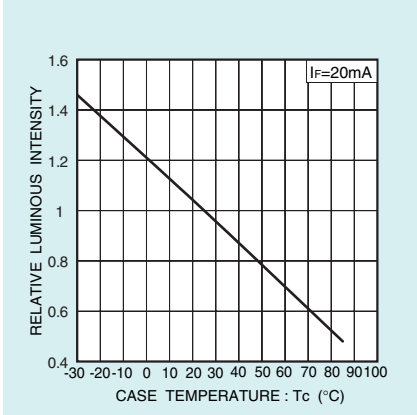
- Top View:** A rectangle with a width of 100 and a depth of 170.
- Side View:** A rectangle with a height of 70 and a depth of 170.

■Electrical Characteristic Curves

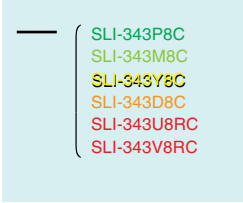
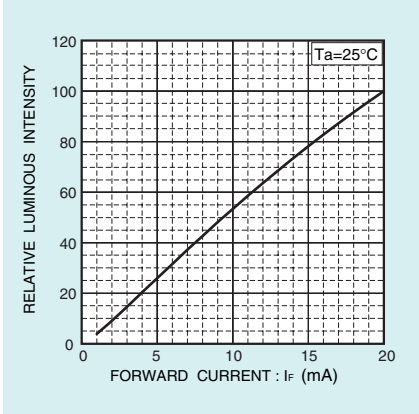
Forward Current - Forward Voltage



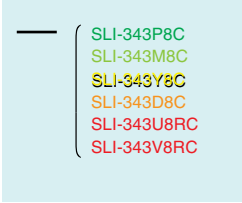
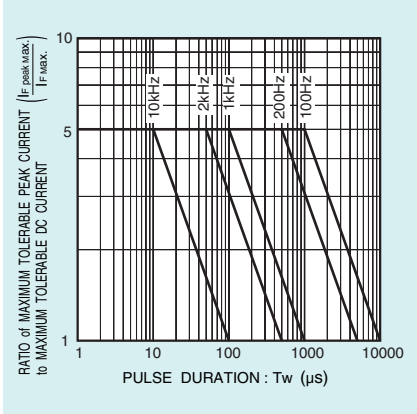
Relative Luminous Intensity - Case Temperature



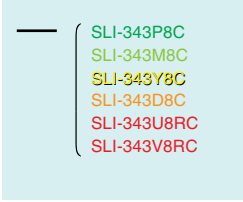
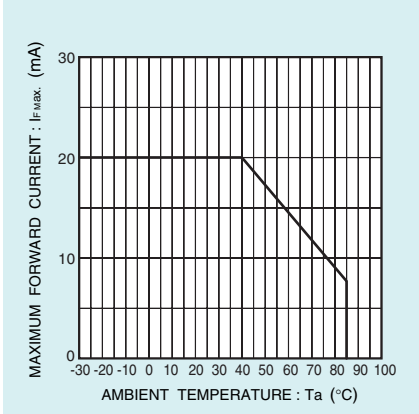
Relative Luminous Intensity - Forward Current



Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating

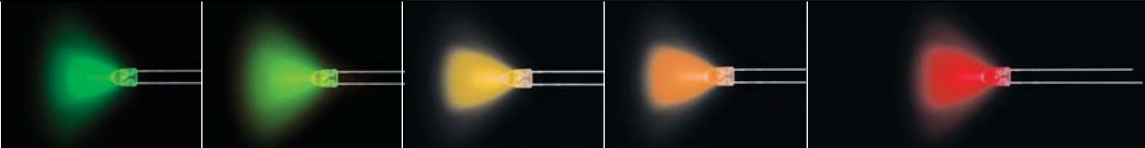
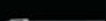


φ3.1(T-1) Circular Type Standard Type <Viewing Angle 2θ1/2 40°>

SLI-343*8 Series (Diffused Colored Type)

Pressure Release

EXCELED™

Emitting Color	Pure Green	Green(Yellowish Green)	Yellow	Orange	Red	
Material	AlGaInP on GaAs					
Emitting Surface Dimension(mm)						
 φ3.1						
Part No.	SLI-343P8G	SLI-343M8G	SLI-343Y8Y	SLI-343D8U	SLI-343U8R	SLI-343V8R

■ Absolute Maximum Ratings (Ta=25°C)

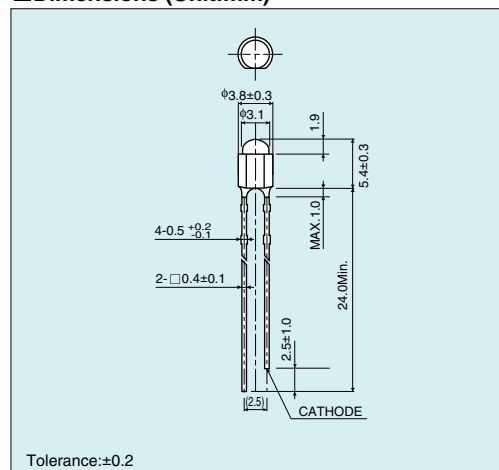
Part No.	Emitting color	Power dissipation P _D (mW)	Forward current I _F (mA)	Peak forward current * I _{FP} (mA)	Reverse voltage V _R (V)	Operating temperature T _{opr} (°C)	Storage temperature T _{stg} (°C)
SLI-343P8G	Pure Green	54	20	100	9	-30 to +85	-40 to +100
SLI-343M8G	Green (Yellowish Green)						
SLI-343Y8Y	Yellow						
SLI-343D8U	Orange						
SLI-343U8R	Red						
SLI-343V8R							

*:Duty ≤ 1/10, 1kHz.

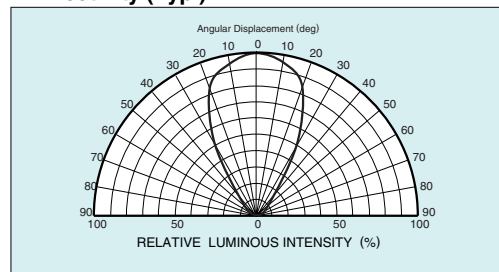
■ Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forward voltage V _F		Reverse current I _R		Light wavelength		Brightness I _v		
		Typ. (V)	I _F (mA)	Max. (μA)	V _R (V)	Peak λ _p (nm)	Half-wave Δλ (nm)	Min. (mcd)	Typ. (mcd)	I _F (mA)
SLI-343P8G	Diffused Colored	2.2	20	10	9	560	18	10	22	
SLI-343M8G						572		68	150	
SLI-343Y8Y						593	17	20		
SLI-343D8U						611	19	220	470	20
SLI-343U8R						630	18	100	220	
SLI-343V8R						639	20			

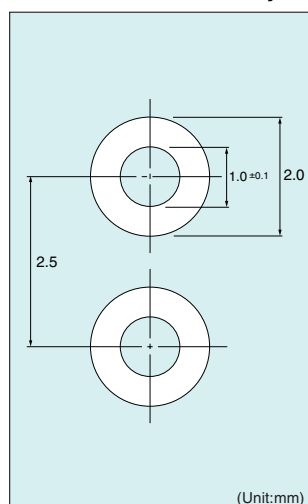
■ Dimensions (Unit:mm)



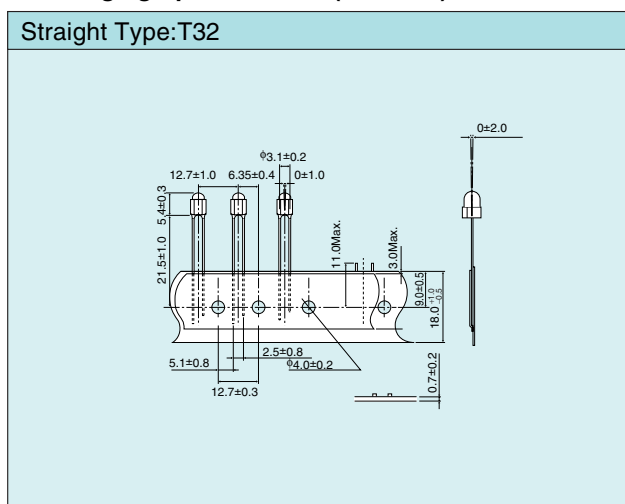
■ Directivity (Typ.)



■ Recommended Pad Layout

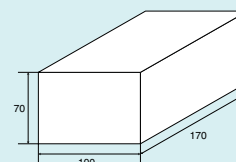


■ Packaging Specifications (Unit:mm)

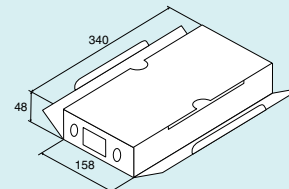


Packaging

Bulk(3F):2000pcs/Box

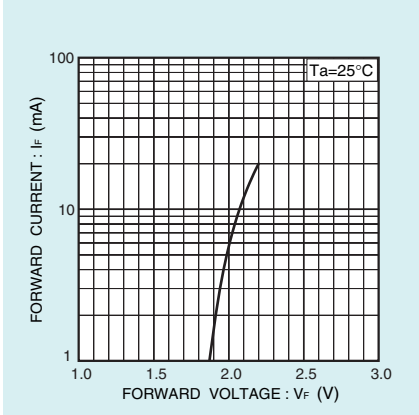


Tape 2000pcs/Box

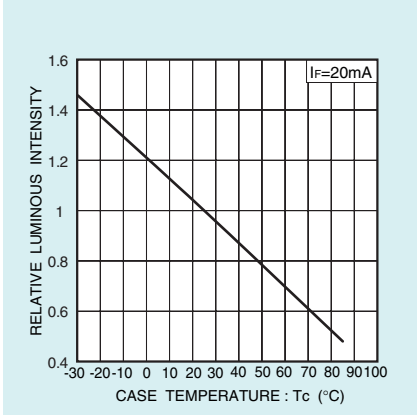


■Electrical Characteristic Curves

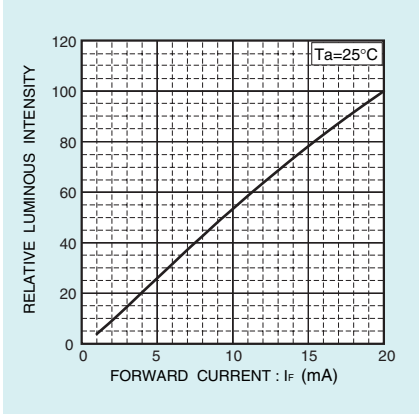
Forward Current - Forward Voltage



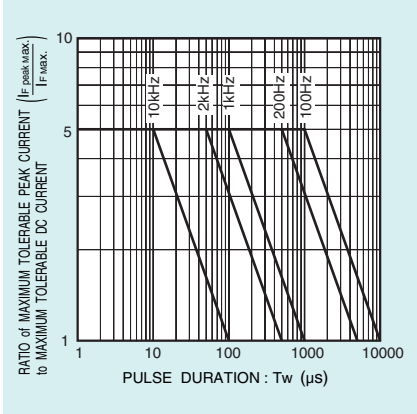
Relative Luminous Intensity - Case Temperature



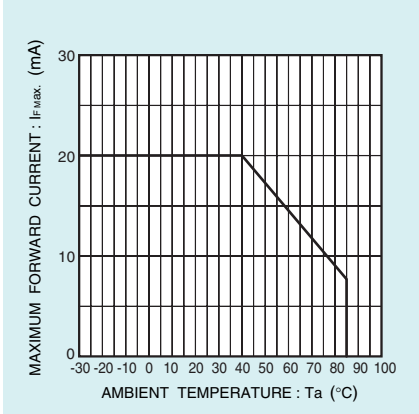
Relative Luminous Intensity - Forward Current



Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating



Notes

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