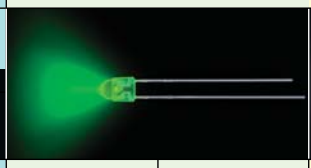
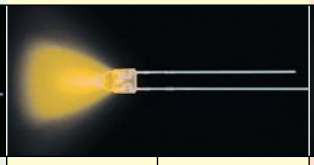
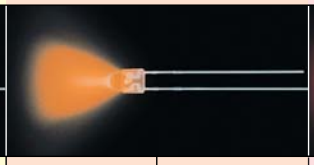
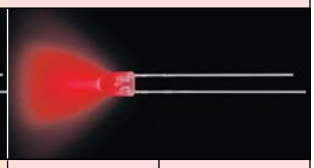
ϕ3.1(T-1) Circular Type High Brightness Type
<Viewing Angle 2θ1/2 : 40°>

Pb Free ROHM Electronic Components — RoHS Directive Compliance

SLI-343 Series

Pressure Release

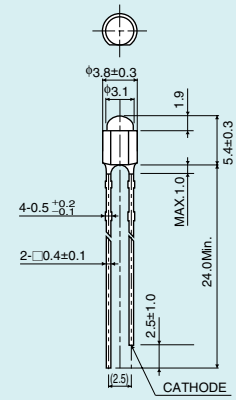
Emitting Color	Green (Yellowish Green)		Yellow		Orange		Red	
Material	AlGaInP on GaAs							
Emitting Surface Dimension(mm)	 ϕ3.1							
Part No.	SLI-343MC	SLI-343MG	SLI-343YC	SLI-343YY	SLI-343DC	SLI-343DU	SLI-343URC	SLI-343UR

■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-343MC	Green (Yellowish Green)	62	25	100	9	-25 to +85	-30 to +100
SLI-343MG							
SLI-343YC	Yellow						
SLI-343YY							
SLI-343DC	Orange	125	50	200			
SLI-343DU							
SLI-343URC	Red						
SLI-343UR							

✻:Duty ≦1/10, 1kHz

■Dimensions (Unit:mm)

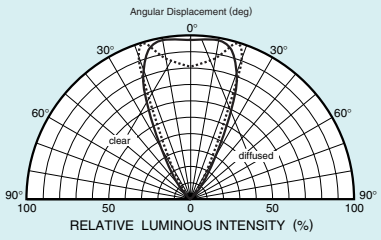


Tolerance:±0.2

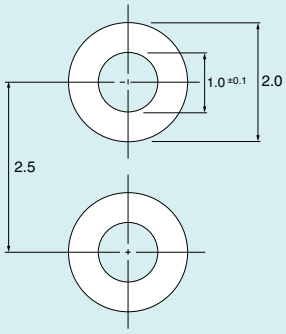
■Electrical Optical Characteristics (Ta=25°C)

Part No.	Resin Color	Forward voltage V_F		Reverse current I_R		Light wavelength Peak λp	Light wavelength Half-wave Δλ		Brightness Iv		
		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-343MC	Transparent Colored	2.1	20	100	9	572	18	20	56	200	20
SLI-343MG	Diffused Colored									180	
SLI-343YC	Transparent Colored	1.9				591	15		90	350	
SLI-343YY	Diffused Colored									300	
SLI-343DC	Transparent Colored					611	17			500	
SLI-343DU	Diffused Colored									350	
SLI-343URC	Transparent Colored					630	20			450	
SLI-343UR	Diffused Colored									350	

■Directivity (Typ.)

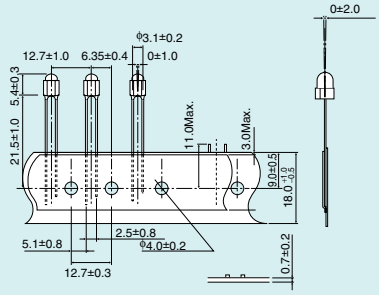


■Recommended Pad Layout



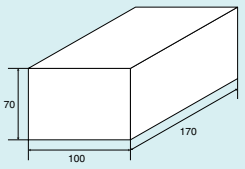
■Packaging Specifications (Unit:mm)

Straight Type:T32

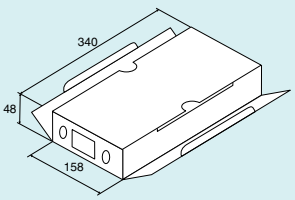


Packaging

Bulk(3F):2000pcs/Box



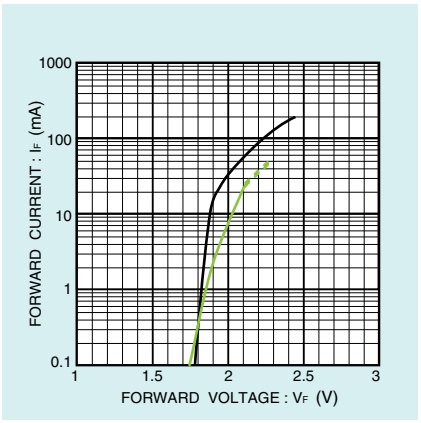
Tape:2000pcs/Box



Rev.C

■Electrical Characteristic Curves

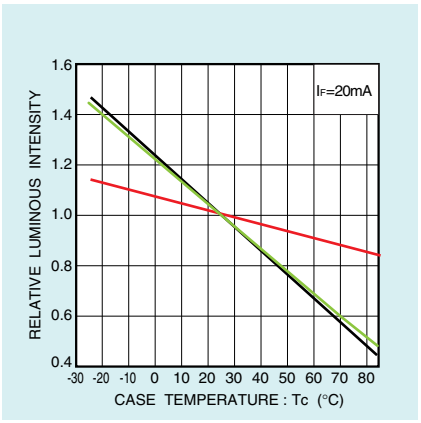
Forward Current - Forward Voltage



SLI-343MC
SLI-343MG

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

Relative Luminous Intensity - Case Temperature

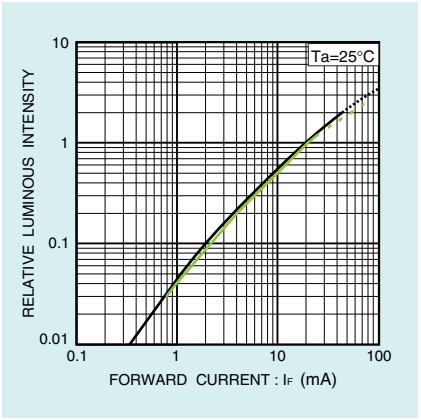


SLI-343MC
SLI-343MG

SLI-343YC
SLI-343YY
SLI-343DC
SLI-343DU

SLI-343URC
SLI-343UR

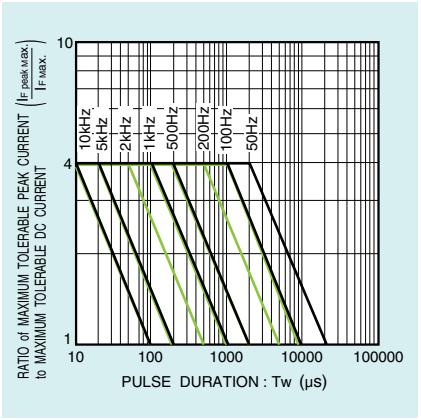
Relative Luminous Intensity - Forward Current



SLI-343MC
SLI-343MG

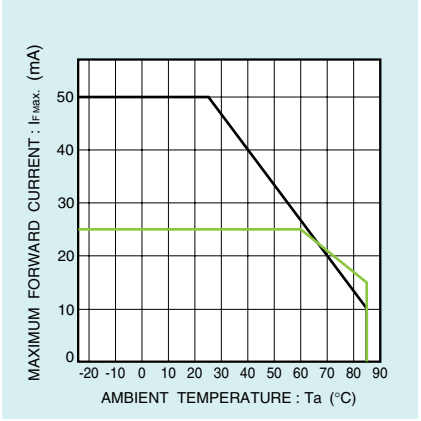
SLI-343YC
SLI-343YY
SLI-343DC
SLI-343DU
SLI-343URC
SLI-343UR

Ratio of Maximum Tolerable Peak Current - Pulse Duration



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

Derating



SLI-343MC
SLI-343MG

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

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