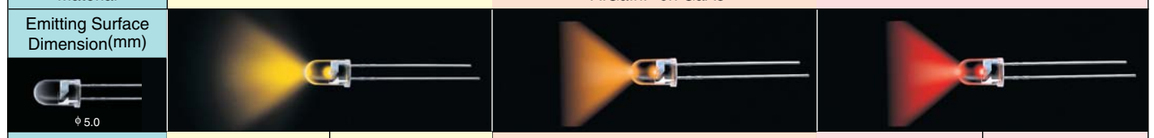
ϕ5.0(T-1 3/4)Circular Type
High Brightness Type <Viewing Angle 2θ1/2 : 25°>

Pb Free ROHM Electronic Components — RoHS Directive Compliance

SLI-570 Series

Emitting Color	Yellow		Orange	Red	
Material			AlGaInP on GaAs		
Emitting Surface Dimension(mm)					
Part No.	SLI-570YT	SLI-570Y2T	SLI-570DT	SLI-570UT	SLI-570U2T

ϕ5.0

■Absolute Maximum Ratings (Ta=25°C)

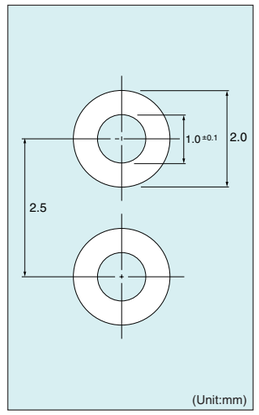
Part No.	Emitting color	Power dissipation P_D (mW)	Forward current I_F (mA)	Peak forward current ＊I_{FP} (mA)	Reverse voltage V_R (V)	Operating temperature T_{opr} (°C)	Storage temperature T_{stg} (°C)
SLI-570YT	Yellow	125	50	200	9	-30 to +85	-40 to +100
SLI-570Y2T							
SLI-570DT	Orange						
SLI-570UT	Red						
SLI-570U2T							

＊:Duty≦1/10, 1kHz

■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-570YT	Transparent Colorless	1.9	20	100	9	591	15	20	610	2500	20
SLI-570Y2T		2.1							2200	5200	
SLI-570DT		1.9				611	17		900	3000	
SLI-570UT						630	20				
SLI-570U2T		2.1							2200	4000	

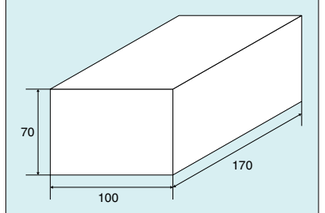
■Recommended Pad Layout



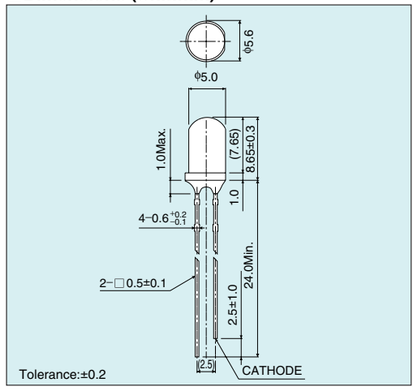
■Packaging Specifications (Unit:mm)

Packaging

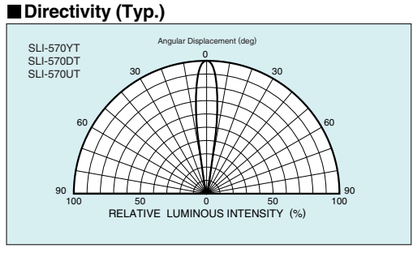
Bulk(3F):1000pcs/Box

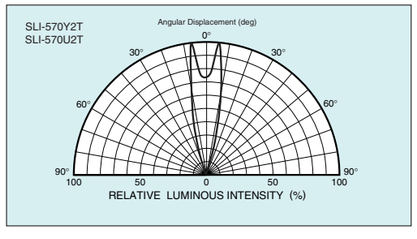


■Dimensions (Unit:mm)



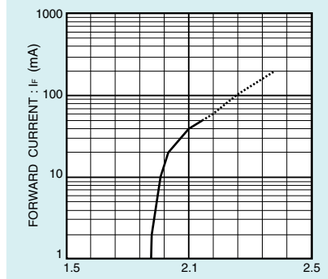
■Directivity (Typ.)



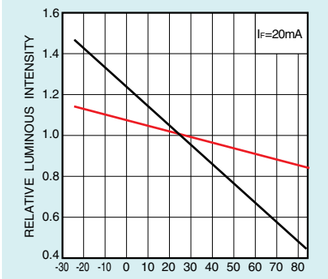


■Electrical Characteristic Curves

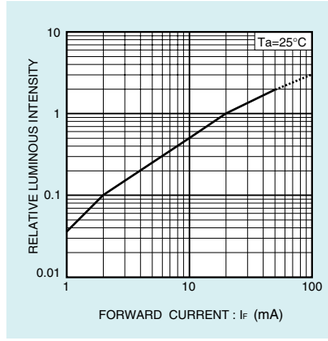
Forward Current - Forward Voltage



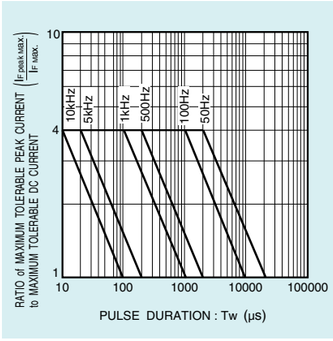
Relative Luminous Intensity - Case Temperature



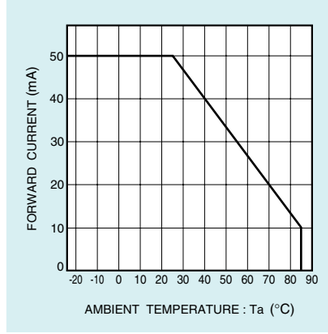
Relative Luminous Intensity - Forward Current



Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating



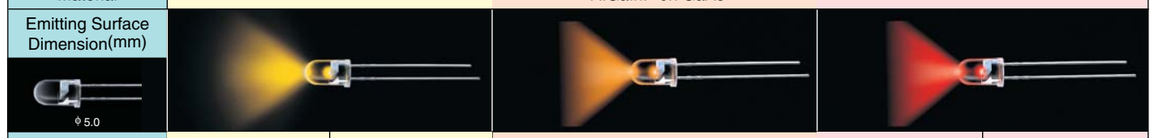
＊Characteristics data of SLI-570Y2T, SLI-570U2T are in preparation.

Rev.C

ϕ5.0(T-1 3/4)Circular Type
High Brightness Type <Viewing Angle 2θ1/2 : 25°>

Pb Free ROHM Electronic Components — RoHS Directive Compliance

SLI-570 Series

Emitting Color	Yellow		Orange	Red	
Material			AlGaInP on GaAs		
Emitting Surface Dimension(mm)					
Part No.	SLI-570YT	SLI-570Y2T	SLI-570DT	SLI-570UT	SLI-570U2T

ϕ5.0

■Absolute Maximum Ratings (Ta=25°C)

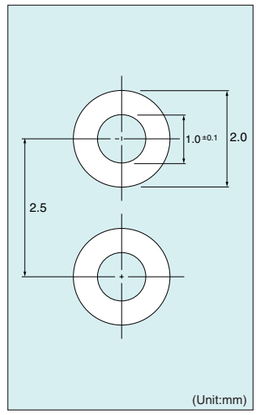
Part No.	Emitting color	Power dissipation P_D (mW)	Forward current I_F (mA)	Peak forward current ＊I_{FP} (mA)	Reverse voltage V_R (V)	Operating temperature T_{opr} (°C)	Storage temperature T_{stg} (°C)
SLI-570YT	Yellow	125	50	200	9	-30 to +85	-40 to +100
SLI-570Y2T							
SLI-570DT	Orange						
SLI-570UT	Red						
SLI-570U2T							

＊:Duty≦1/10, 1kHz

■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-570YT	Transparent Colorless	1.9	20	100	9	591	15	20	610	2500	20
SLI-570Y2T		2.1							2200	5200	
SLI-570DT		1.9				611	17		900	3000	
SLI-570UT						630	20				
SLI-570U2T		2.1							2200	4000	

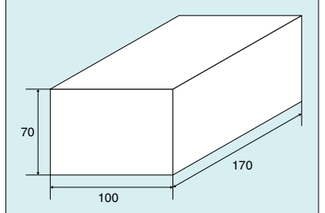
■Recommended Pad Layout



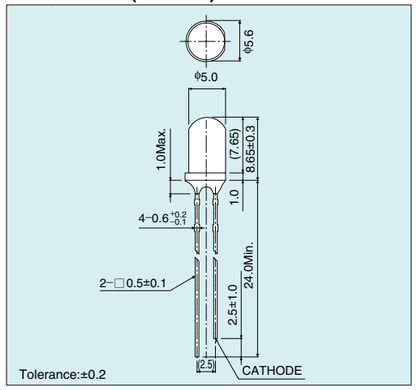
■Packaging Specifications (Unit:mm)

Packaging

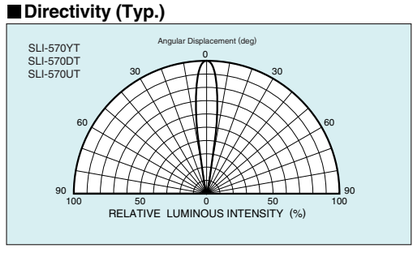
Bulk(3F):1000pcs/Box

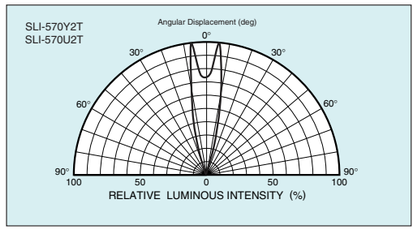


■Dimensions (Unit:mm)



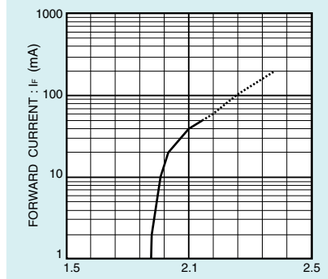
■Directivity (Typ.)



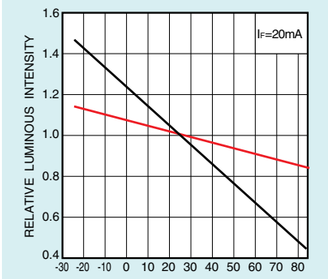


■Electrical Characteristic Curves

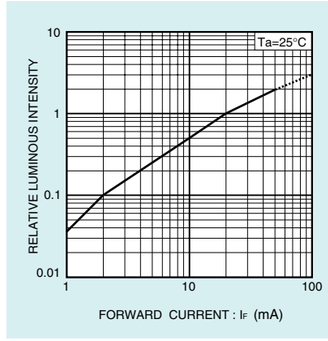
Forward Current - Forward Voltage



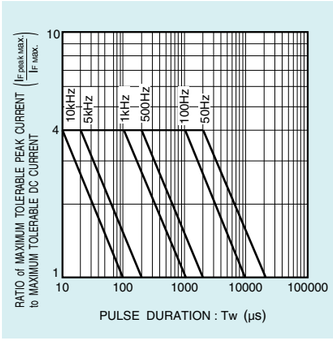
Relative Luminous Intensity - Case Temperature



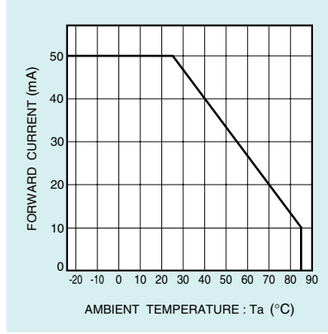
Relative Luminous Intensity - Forward Current



Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating



＊Characteristics data of SLI-570Y2T, SLI-570U2T are in preparation.

Rev.C

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