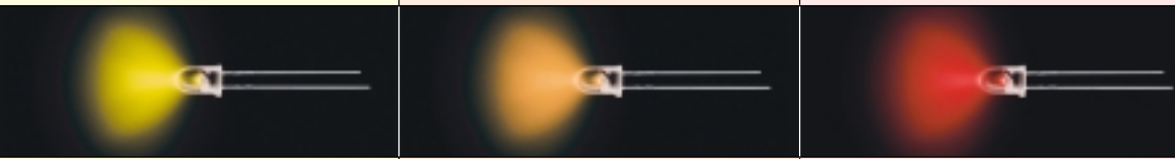


# $\phi 5.0$ (T-1 3/4) Circular Type High Brightness Type <Viewing Angle $2\theta 1/2 : 40^\circ$ >

## SLI-560 Series

| Emitting Color                 | Yellow                                                                             | Orange    | Red       |
|--------------------------------|------------------------------------------------------------------------------------|-----------|-----------|
| Material                       | AlGaInP on GaAs                                                                    |           |           |
| Emitting Surface Dimension(mm) |  |           |           |
| Part No.                       | SLI-560YT                                                                          | SLI-560DT | SLI-560UT |

### Absolute Maximum Ratings (Ta=25°C)

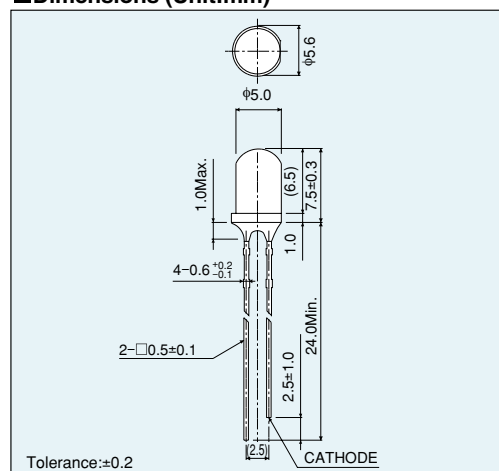
| Part No.  | Emitting color | Power dissipation<br>Pd<br>(mW) | Forward current<br>If<br>(mA) | Peak forward current<br>*Ifp<br>(mA) | Reverse voltage<br>Vr<br>(V) | Operating temperature<br>Topr<br>(°C) | Storage temperature<br>Tstg<br>(°C) |
|-----------|----------------|---------------------------------|-------------------------------|--------------------------------------|------------------------------|---------------------------------------|-------------------------------------|
| SLI-560YT | Yellow         | 125                             | 50                            | 200                                  | 9                            | -30 to +85                            | -40 to +100                         |
| SLI-560DT | Orange         |                                 |                               |                                      |                              |                                       |                                     |
| SLI-560UT | Red            |                                 |                               |                                      |                              |                                       |                                     |

\*:Duty  $\leq 1/10$ , pulse width  $\leq 1\text{kHz}$ .

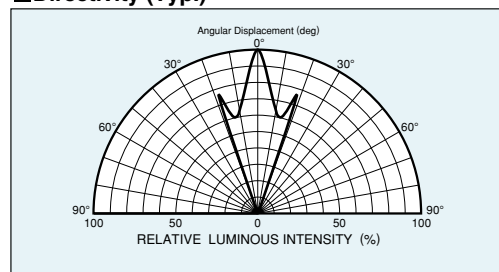
### Electrical Optical Characteristics (Ta=25°C)

| Part No.  | Resin Color           | Forward voltage<br>VF |            | Reverse current<br>IR     |           | Light wavelength            |                                      | Brightness<br>Iv |               |            |
|-----------|-----------------------|-----------------------|------------|---------------------------|-----------|-----------------------------|--------------------------------------|------------------|---------------|------------|
|           |                       | Typ.<br>(V)           | If<br>(mA) | Max.<br>( $\mu\text{A}$ ) | Vr<br>(V) | Peak<br>$\lambda_p$<br>(nm) | Half-wave<br>$\Delta\lambda$<br>(nm) | Min.<br>(mcd)    | Typ.<br>(mcd) | If<br>(mA) |
| SLI-560YT | Transparent Colorless | 1.9                   | 20         | 100                       | 9         | 591                         | 15                                   | 300              | 1000          | 20         |
| SLI-560DT |                       |                       |            |                           |           | 611                         | 17                                   |                  |               |            |
| SLI-560UT |                       |                       |            |                           |           | 630                         | 20                                   |                  |               |            |

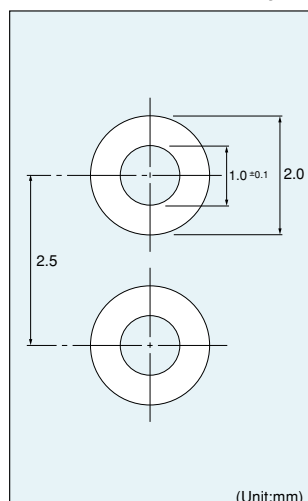
### Dimensions (Unit:mm)



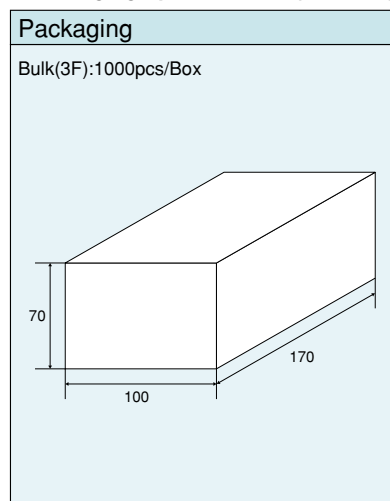
### Directivity (Typ.)



### Recommended Pad Layout

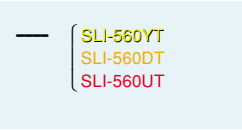
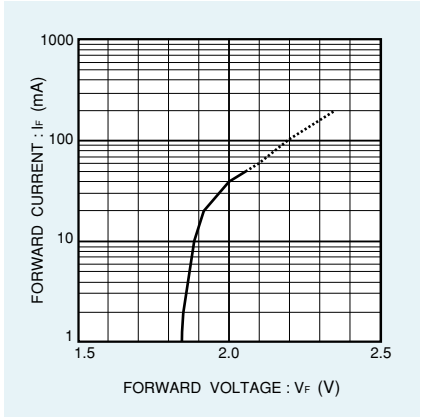


### Packaging Specifications (Unit:mm)

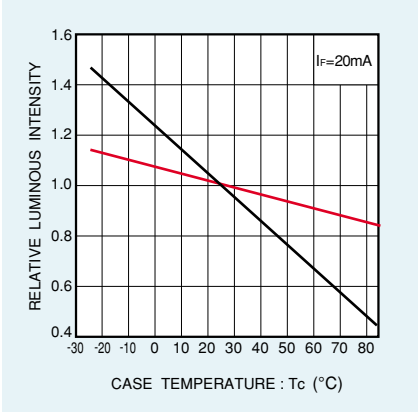


■ Electrical Characteristic Curves

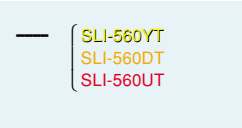
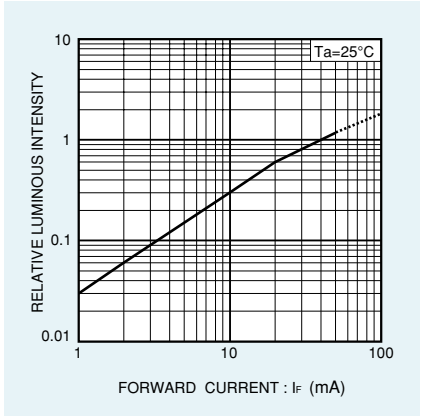
Forward Current - Forward Voltage



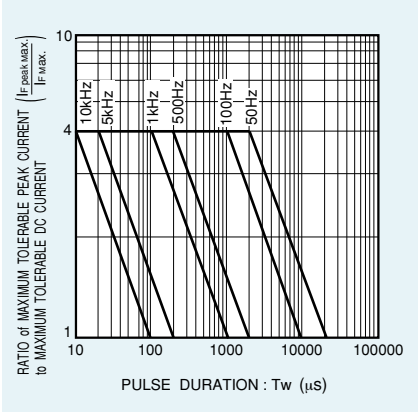
Relative Luminous Intensity - Case Temperature



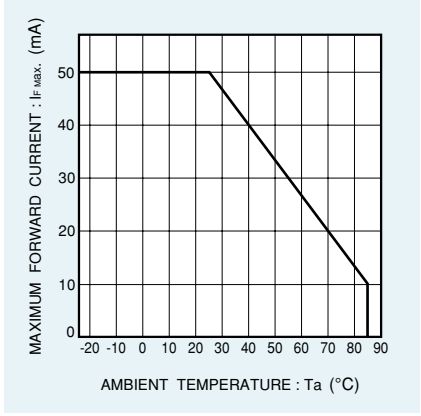
Relative Luminous Intensity - Forward Current



Ratio of Maximum Tolerable Peak Current - Pulse Duration



Derating



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