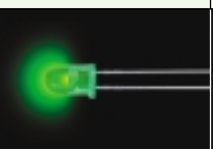
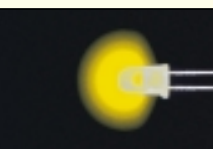
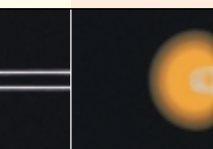



# φ5.0(T-1 3/4) Circular Type Standard Type <Viewing Angle 2θ1/2 : 40°>

## SLR-56 Series

| Emitting Color                 | Green(Yellowish Green)  | Yellow  | Orange   | Red   |
|--------------------------------|---|---|--|---|
| Material                       | GaP   |   | GaAsP on GaP   |   |
| Emitting Surface Dimension(mm) |  |  |  |  |
| Part No.                       | SLR-56MC    SLR-56MG  | SLR-56YC    SLR-56YY  | SLR-56DC    SLR-56DU   | SLR-56VC    SLR-56VR  |

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

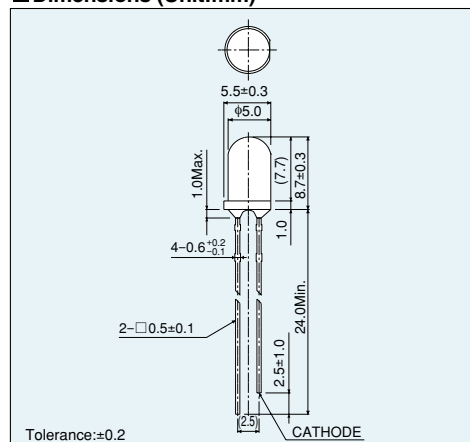
| Part No. | Emitting color          | Power dissipation Pd (mW) | Forward current IF (mA) | Peak forward current *IFP (mA) | Reverse voltage VR (V) | Operating temperature Topr (°C) | Storage temperature Tstg (°C) |
|----------|-------------------------|---------------------------|-------------------------|--------------------------------|------------------------|---------------------------------|-------------------------------|
| SLR-56MC | Green (Yellowish Green) | 75                        | 25                      |                                |                        |                                 |                               |
| SLR-56MG |                         |                           |                         |                                |                        |                                 |                               |
| SLR-56YC | Yellow                  |                           |                         | 60                             | 3                      |                                 |                               |
| SLR-56YY |                         |                           |                         |                                |                        |                                 |                               |
| SLR-56DC | Orange                  | 60                        | 20                      |                                |                        |                                 |                               |
| SLR-56DU |                         |                           |                         |                                |                        |                                 |                               |
| SLR-56VC | Red                     |                           |                         |                                |                        |                                 |                               |
| SLR-56VR |                         |                           |                         |                                |                        |                                 |                               |

\*:Duty ≤ 1/5, pulse width ≤ 1ms.

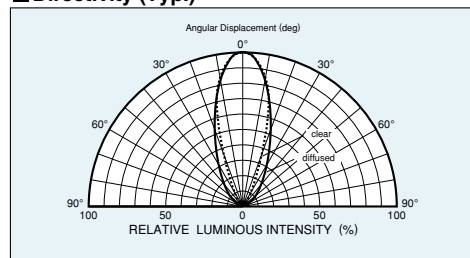
### Electrical Optical Characteristics (Ta=25°C)

| Part No. | Resin Color         | Forward voltage VF |         | Reverse current IR |        | Light wavelength Peak λp Half-wave Δλ |           |         | Brightness Iv |            |         |
|----------|---------------------|--------------------|---------|--------------------|--------|---------------------------------------|-----------|---------|---------------|------------|---------|
|          |                     | Typ. (V)           | IF (mA) | Max. (μA)          | VR (V) | Typ. (nm)                             | Typ. (nm) | IF (mA) | Min. (mcd)    | Typ. (mcd) | IF (mA) |
| SLR-56MC | Transparent Colored | 2.1                |         |                    |        | 563                                   |           |         | 14            | 40         |         |
| SLR-56MG | Diffused Colored    |                    |         |                    |        |                                       |           |         | 5.6           | 16         |         |
| SLR-56YC | Transparent Colored | 2.0                | 10      | 10                 | 3      | 585                                   | 40        | 10      | 9.0           | 25         | 10      |
| SLR-56YY | Diffused Colored    |                    |         |                    |        |                                       |           |         | 5.6           | 10         |         |
| SLR-56DC | Transparent Colored | 2.0                |         |                    |        | 610                                   |           |         | 9.0           | 25         |         |
| SLR-56DU | Diffused Colored    |                    |         |                    |        |                                       |           |         | 3.6           | 10         |         |
| SLR-56VC | Transparent Colored | 2.0                |         |                    |        | 650                                   |           |         | 9.0           | 25         |         |
| SLR-56VR | Diffused Colored    |                    |         |                    |        |                                       |           |         | 3.6           | 10         |         |

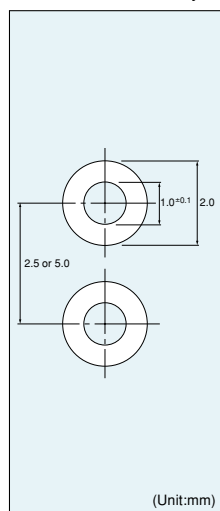
### Dimensions (Unit:mm)



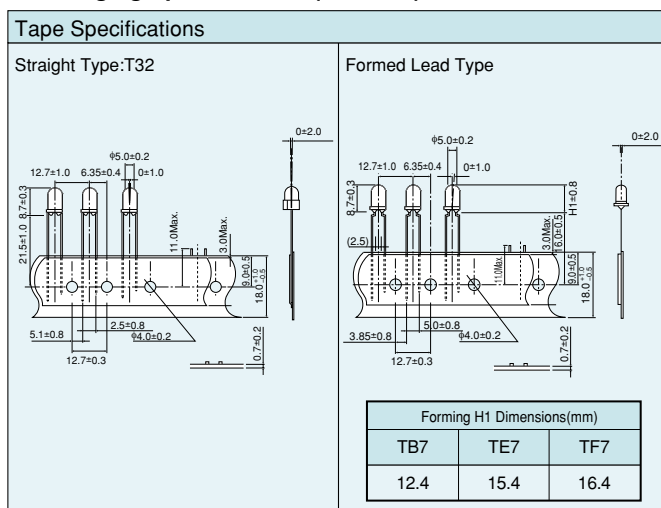
### Directivity (Typ.)



### Recommended Pad Layout

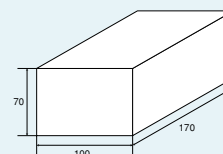


### Packaging Specifications (Unit:mm)

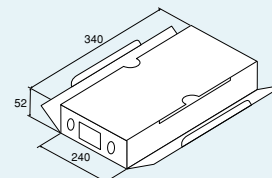


### Packaging

Bulk(3F):1000pcs/Box

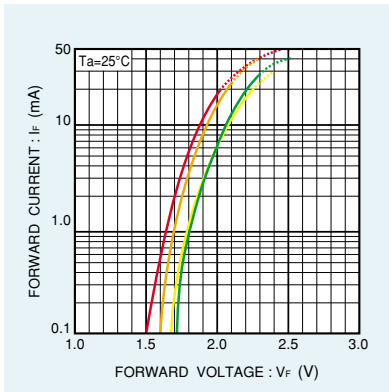


Tape:2000pcs/Box



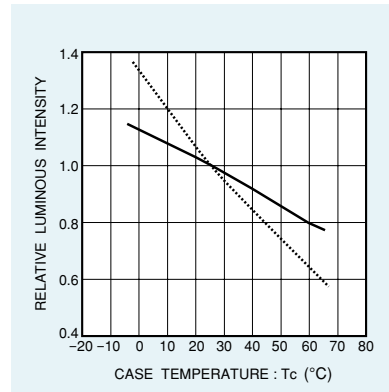
## Electrical Characteristic Curves

### Forward Current - Forward Voltage



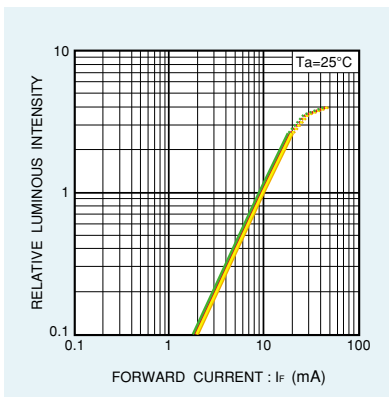
- SLR-56MC
- SLR-56MG
- SLR-56YC
- SLR-56YY
- SLR-56DC
- SLR-56DU
- SLR-56VC
- SLR-56VR

### Relative Luminous Intensity - Case Temperature



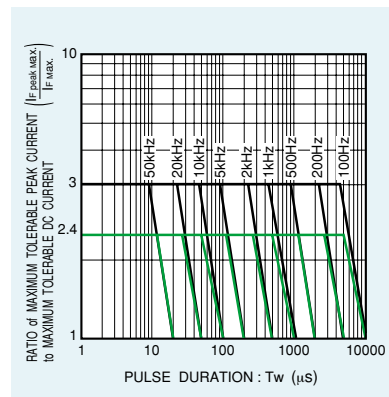
- SLR-56MC
- SLR-56MG
- SLR-56YC
- SLR-56YY
- SLR-56DC
- SLR-56DU
- SLR-56VC
- SLR-56VR

### Relative Luminous Intensity - Forward Current



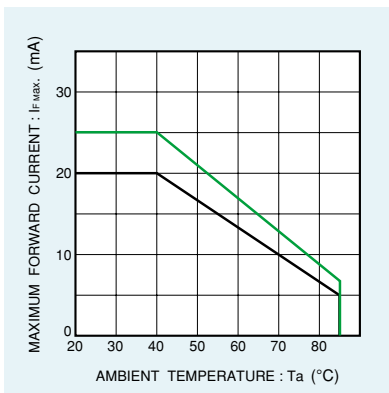
- SLR-56MC
- SLR-56MG
- SLR-56YC
- SLR-56YY
- SLR-56DC
- SLR-56DU
- SLR-56VC
- SLR-56VR

### Ratio of Maximum Tolerable Peak Current - Pulse Duration



- SLR-56MC
- SLR-56MG
- SLR-56YC
- SLR-56YY
- SLR-56DC
- SLR-56DU
- SLR-56VC
- SLR-56VR

## Derating



- SLR-56MC
- SLR-56MG
- SLR-56YC
- SLR-56YY
- SLR-56DC
- SLR-56DU
- SLR-56VC
- SLR-56VR

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