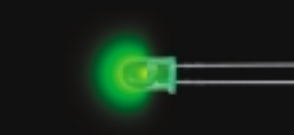
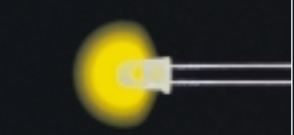

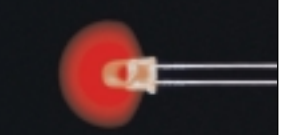


φ5.0(T-1 3/4) Circular Type Standard Type <Viewing Angle 2θ1/2 : 40°>

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)

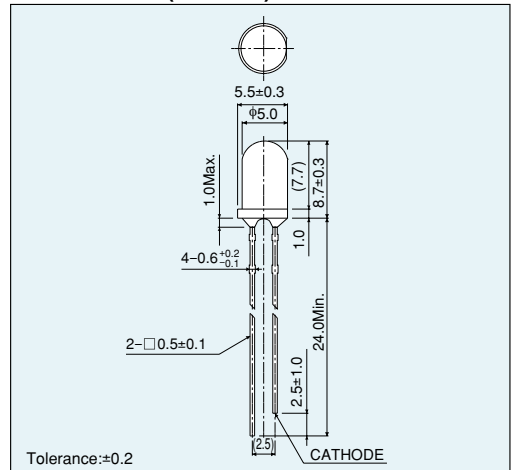
| Part No. | Emitting color | Power dissipation Pd (mW) | Forward current IF (mA) | Peak forward current *IFP (mA) | Reverse voltage VR (V) | Operating temperature Topr (°C) | Storage temperature Tstg (°C) |
|----------|-------------------------|---------------------------|-------------------------|--------------------------------|------------------------|---------------------------------|-------------------------------|
| SLR-56MC | Green (Yellowish Green) | 75 | 25 | 60 | 3 | -25 to +85 | -30 to +100 |
| SLR-56MG | | | | | | | |
| SLR-56YC | Yellow | 60 | 20 | 60 | 3 | -25 to +85 | -30 to +100 |
| SLR-56YY | | | | | | | |
| SLR-56DC | Orange | 60 | 20 | 60 | 3 | -25 to +85 | -30 to +100 |
| SLR-56DU | | | | | | | |
| SLR-56VC | Red | 60 | 20 | 60 | 3 | -25 to +85 | -30 to +100 |
| SLR-56VR | | | | | | | |

*:Duty≤1/5, pulse width≤1ms.

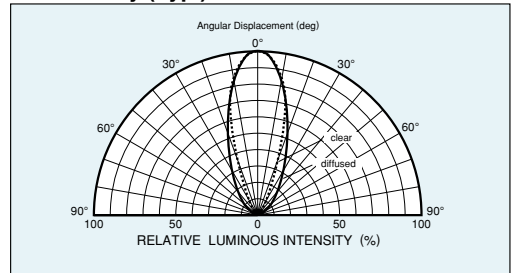
Electrical Optical Characteristics (Ta=25°C)

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

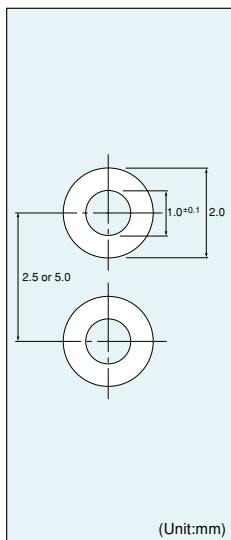
Dimensions (Unit:mm)



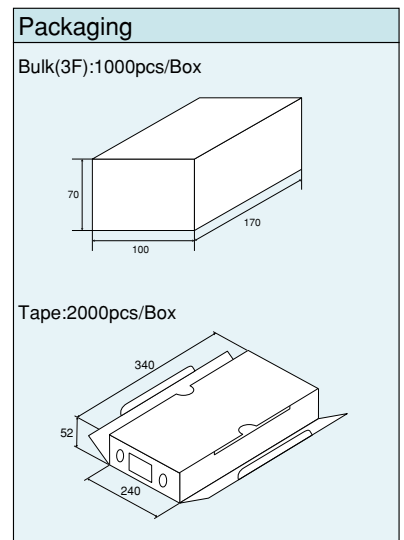
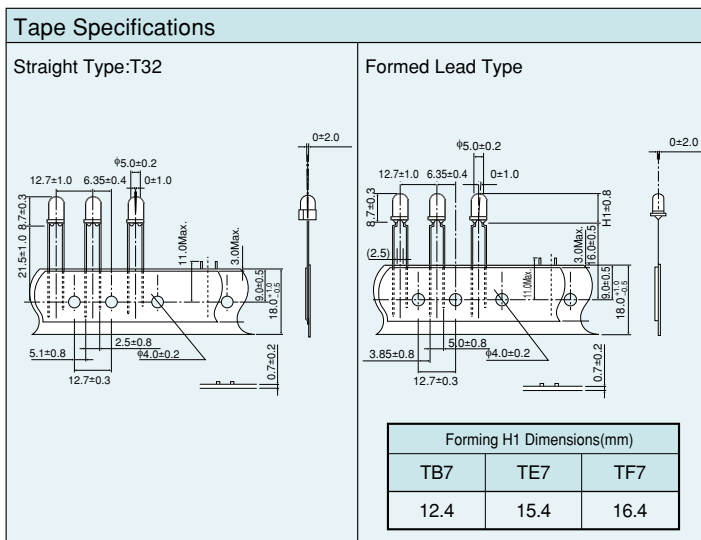
Directivity (Typ.)



Recommended Pad Layout

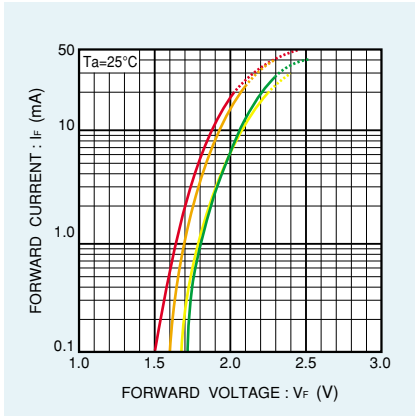


Packaging Specifications (Unit:mm)



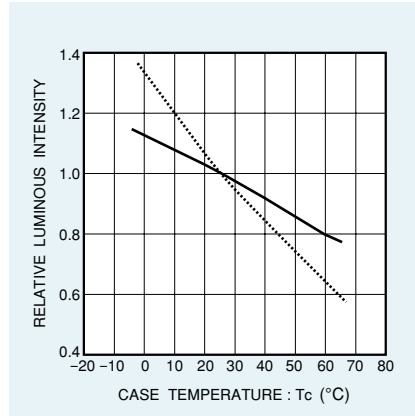
Electrical Characteristic Curves

Forward Current - Forward Voltage



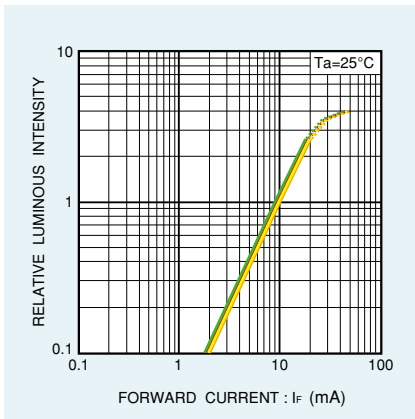
- SLR-56MC
- SLR-56MG
- SLR-56YC
- SLR-56YY
- SLR-56DC
- SLR-56DU
- SLR-56VC
- SLR-56VR

Relative Luminous Intensity - Case Temperature



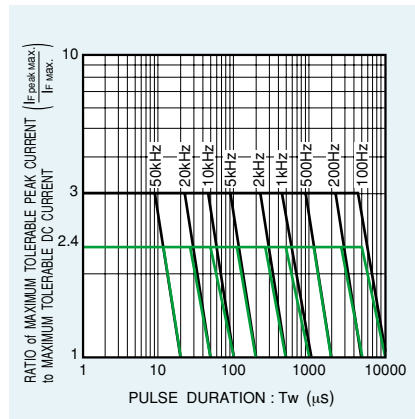
- SLR-56MC
- SLR-56MG
- SLR-56YC
- SLR-56YY
- SLR-56DC
- SLR-56DU
- SLR-56VC
- SLR-56VR

Relative Luminous Intensity - Forward Current



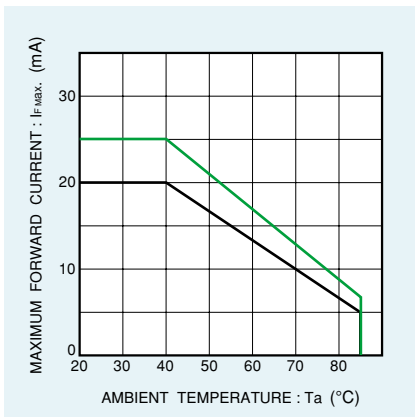
- SLR-56MC
- SLR-56MG
- SLR-56YC
- SLR-56YY
- SLR-56DC
- SLR-56DU
- SLR-56VC
- SLR-56VR

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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