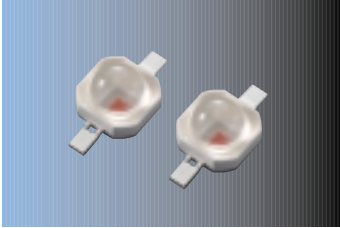
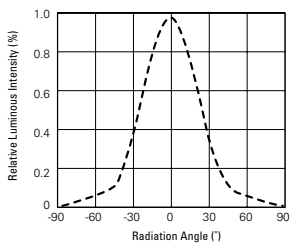


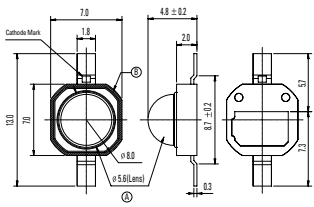
SLHNNR0521T0



Radiation Diagram(55°)



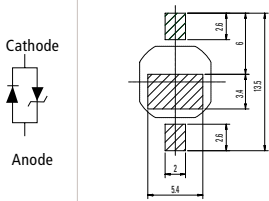
Package Outline



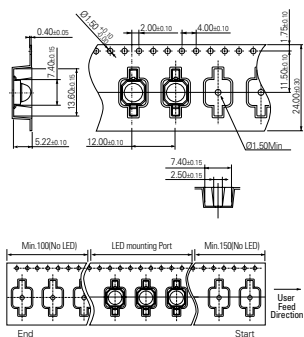
Unit:mm, T_s=25°C

Polarity

Recommended Soldering Pattern



Carrier Tape



Absolute Maximum Ratings T_s=25°C

| Item | I _F (mA) | T _J (°C) | T _{Stg} (°C) | T _{Sld} | T _{Opr} |
|-------|---------------------|---------------------|-----------------------|------------------|------------------|
| Value | 700 | 125 | -40 ~ 110 | 260°C, 10sec | -40 ~ 85 |

Electrical Characteristics T_s=25°C

| Item | Symbol | Condition | Min. | Typ. | Max. | Unit |
|-----------------|----------------|-----------------------|------|------|------|------|
| Forward Voltage | V _F | I _F =350mA | 1.9 | 2.1 | 3.0 | V |
| Reverse Voltage | I _R | V _R =10V | - | - | 5.0 | |

※ Tolerance : V_F ±0.1V

Chromaticity Coordinate T_s=25°C, @350mA

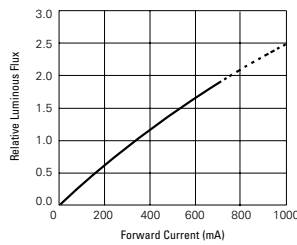
| Rank | Symbol | Condition | Min. | Typ. | Max. | Unit |
|------|--------|-----------------------|------|------|------|------|
| Q0 | Q1 | I _F =350mA | 610 | 613 | 615 | nm |
| | Q2 | | 615 | 618 | 620 | |

※ Tolerance : W_p ±0.1nm

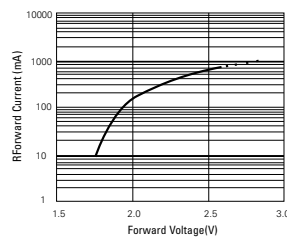
| Part Number | Dimension (mm) | Rank | Luminous Flux (lm) | | | Condition | Viewing Angle 2θ 1/2(degree) |
|--------------|----------------|------|--------------------|------|------|-----------|------------------------------|
| | | | Min. | Typ. | Max. | | |
| SLHNNR0521T0 | 7.0×7.0×2.0t | E1 | 40 | 45 | 50 | 350mA | 55 ° |
| | | F1 | 50 | 55 | 60 | | |
| | | G1 | 60 | 65 | 70 | | |

※ Tolerance ±10%

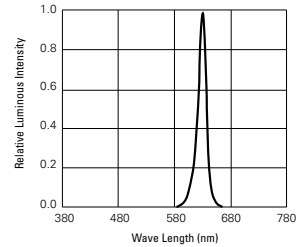
Relative Luminous Flux vs Forward Current



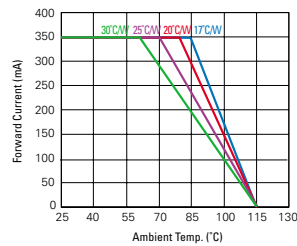
Forward Voltage vs Forward Current



Spectrum Distribution



Derating Curve for 700mA



Relative Luminous Flux vs Junction Temp.

