

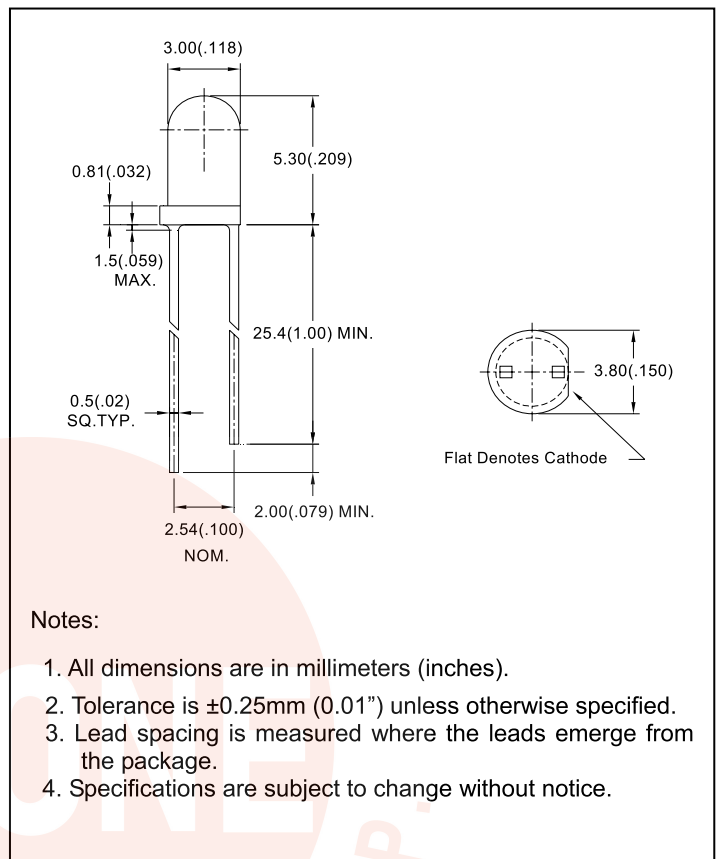
● **Features:**

1. Chip material: GaP/GaP
2. Emitted color : Green
3. Lens Appearance : Green Diffused
4. Low power consumption.
5. High efficiency.
6. Versatile mounting on P.C. Board or panel.
7. Low current requirement.
8. 3mm diameter package.
9. This product don't contained restriction substance, compliance ROHS standard.

● **Applications:**

1. TV set
2. Monitor
3. Telephone
4. Computer
5. Circuit board

● **Package dimensions:**



● **Absolute Maximum Ratings(Ta=25°C)**

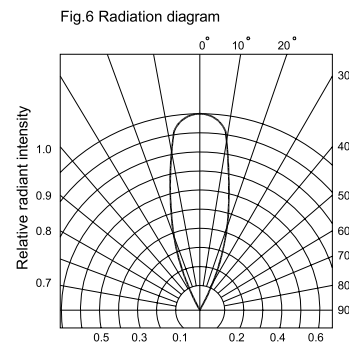
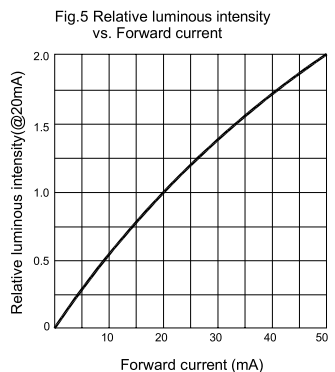
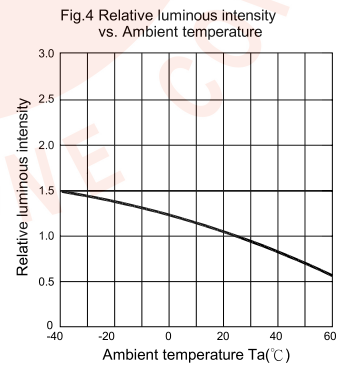
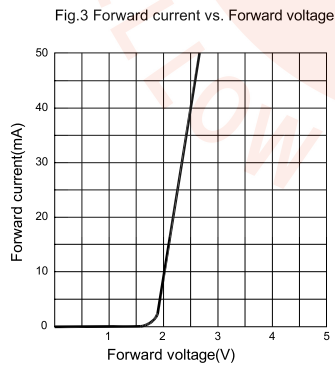
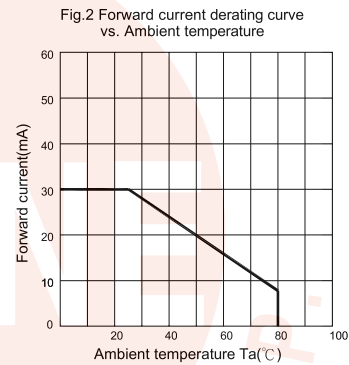
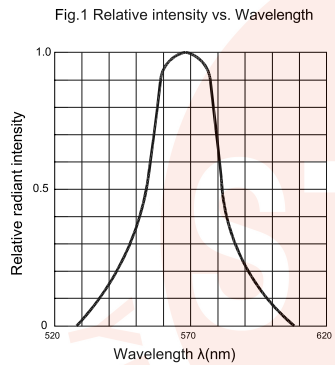
| Parameter | Symbol | Rating | Unit |
|------------------------------------|-----------------|---------------------------|------|
| Power Dissipation | Pd | 80 | mW |
| Forward Current | I _F | 30 | mA |
| Peak Forward Current* ¹ | I _{FP} | 150 | mA |
| Reverse Voltage | V _R | 5 | V |
| Operating Temperature | Topr | -40°C~85°C | |
| Storage Temperature | Tstg | -40°C~100°C | |
| Soldering Temperature | Tsol | 260°C max (for 5 seconds) | |
| Hand Soldering Temperature | Tsol | 350°C max(for 3 seconds) | |

*¹Condition for I_{FP} is pulse of 1/10 duty and 0.1msec width.

● **Electrical and optical characteristics(Ta=25°C)**

| Parameter | Symbol | Condition | Min. | Typ. | Max. | Unit |
|--------------------------|------------------|------------|------|------|------|---------|
| Forward Voltage | V_F | $I_F=20mA$ | - | 2.2 | 2.6 | V |
| Luminous Intensity | I_v | $I_F=20mA$ | - | 40 | - | mcd |
| Reverse Current | I_R | $V_R=5V$ | - | - | 100 | μA |
| Peak Wave Length | λ_p | $I_F=20mA$ | - | 568 | - | nm |
| Dominant Wave Length | λ_d | $I_F=20mA$ | 560 | - | 576 | nm |
| Spectral Line Half-width | $\Delta \lambda$ | $I_F=20mA$ | - | 30 | - | nm |
| Viewing Angle | $2\theta_{1/2}$ | $I_F=20mA$ | - | 35 | - | deg |

● **Typical electro-optical characteristics curves**



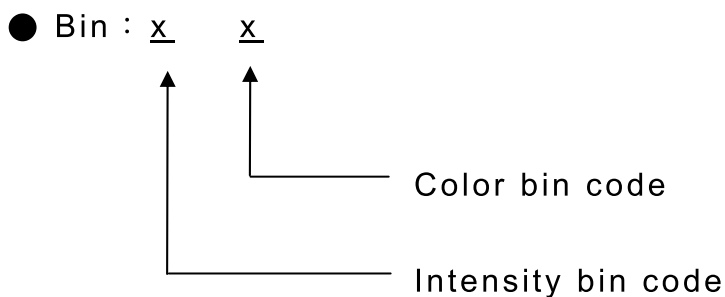
● **Bin Limits**

1. Intensity Bin Limits (At $I_F = 20\text{mA}$)

| Bin Code | Min. (mcd) | Max. (mcd) |
|----------|------------|------------|
| K | 12.3 | 18.5 |
| L | 18.5 | 28 |
| M | 28 | 42 |
| N | 42 | 63 |
| P | 63 | 94 |

2. Color Bin Limits (At $I_F = 20\text{mA}$) : Dominant Wave Length $\lambda_d(\text{nm})$

| Bin Code | Min. (nm) | Max. (nm) |
|----------|-----------|-----------|
| 1 | 560 | 562 |
| 2 | 562 | 564 |
| 3 | 564 | 566 |
| 4 | 566 | 568 |
| 5 | 568 | 570 |
| 6 | 570 | 572 |
| 7 | 572 | 574 |
| 8 | 574 | 576 |



NOTES: 1. Tolerance of measurement of luminous intensity. : $\pm 15\%$

2. Tolerance of measurement of dominant wavelength : $\pm 1.0\text{nm}$

●DIP soldering (Wave Soldering)

Preheating : 120°C ,within 120~180 sec.
Operation heating : 255°C±5°C within 5 sec.260°C (Max)
Gradual Cooling (Avoid quenching).

