

LNJ107W5ARA1

Surface Mounting Chip LED

S-GW Bi-Color Type

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

- Green

| Parameter | Symbol | Rating | Unit |
|-------------------------------|-----------|-------------|------------------|
| Power dissipation | P_D | 60 | mW |
| Forward current | I_F | 20 | mA |
| Pulse forward current * | I_{FP} | 60 | mA |
| Reverse voltage | V_R | 4 | V |
| Operating ambient temperature | T_{opr} | -25 to +85 | $^\circ\text{C}$ |
| Storage temperature | T_{stg} | -30 to +100 | $^\circ\text{C}$ |

Note) *: The condition of I_{FP} is duty 10%, Pulse width 1 msec.**■ Lighting Color / Lens Color**

- Green / White Diffused
- Orange / White Diffused

- Orange

| Parameter | Symbol | Rating | Unit |
|-------------------------------|-----------|-------------|------------------|
| Power dissipation | P_D | 60 | mW |
| Forward current | I_F | 20 | mA |
| Pulse forward current * | I_{FP} | 60 | mA |
| Reverse voltage | V_R | 3 | V |
| Operating ambient temperature | T_{opr} | -25 to +85 | $^\circ\text{C}$ |
| Storage temperature | T_{stg} | -30 to +100 | $^\circ\text{C}$ |

Note) *: The condition of I_{FP} is duty 10%, Pulse width 1 msec.**■ Electro-Optical Characteristics** $T_a = 25^\circ\text{C}$

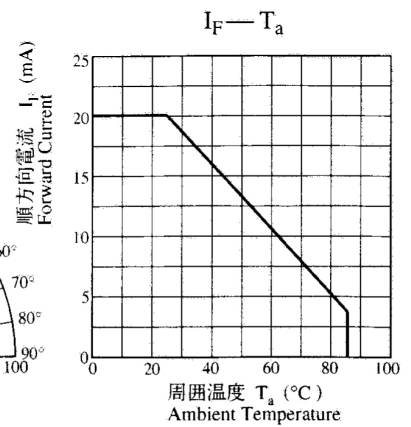
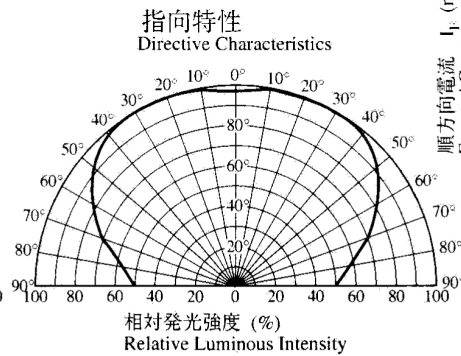
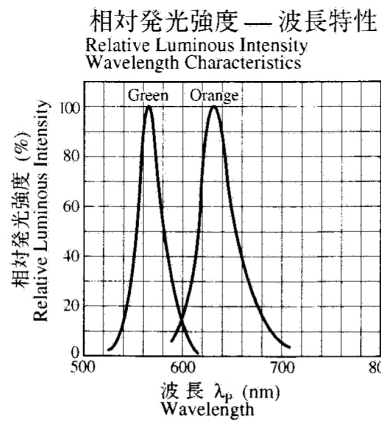
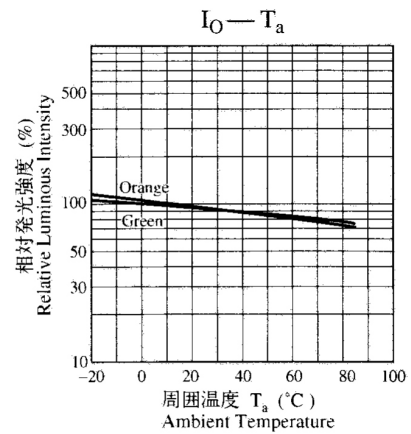
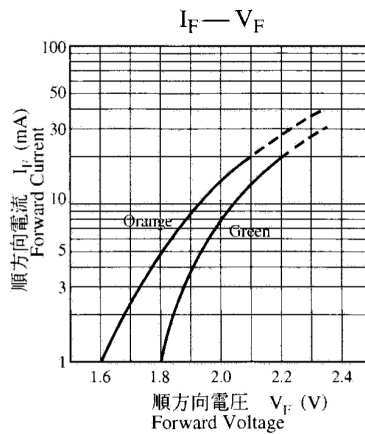
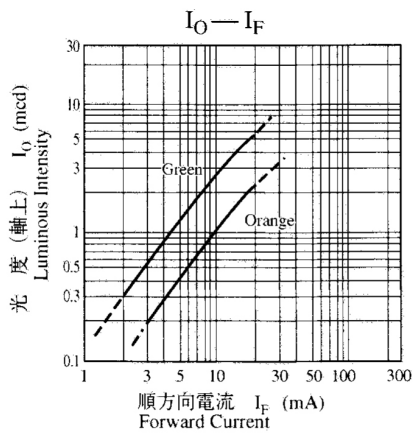
- Green

| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
|--------------------------|-----------------|----------------------|-----|------|-----|---------------|
| Luminous intensity | I_O | | 0.9 | 2.6 | | mcd |
| Forward current | I_F | | | 10 | | mA |
| Forward voltage | V_F | $I_F = 10\text{ mA}$ | | 2.03 | 2.6 | V |
| Peak emission wavelength | λ_p | $I_F = 10\text{ mA}$ | | 565 | | nm |
| Spectral half band width | $\Delta\lambda$ | $I_F = 10\text{ mA}$ | | 30 | | nm |
| Reverse current | I_R | $V_R = 4\text{ V}$ | | | 10 | μA |

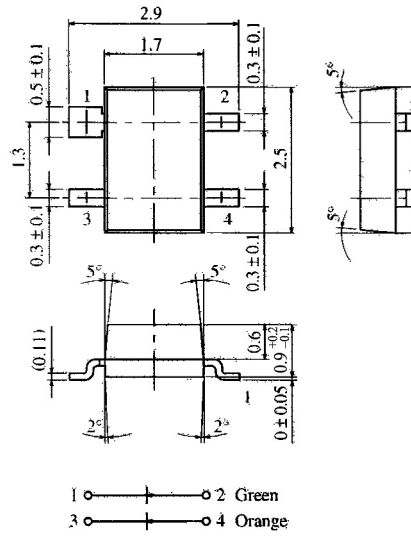
■ Electro-Optical Characteristics (Continued) $T_a = 25^\circ\text{C}$

• Orange

| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
|--------------------------|-----------------|----------------------|-----|------|-----|---------------|
| Luminous intensity | I_O | | 0.4 | 1.0 | | mcd |
| Forward current | I_F | | | 10 | | mA |
| Forward voltage | V_F | $I_F = 10\text{ mA}$ | | 1.93 | 2.6 | V |
| Peak emission wavelength | λ_p | $I_F = 10\text{ mA}$ | | 630 | | nm |
| Spectral half band width | $\Delta\lambda$ | $I_F = 10\text{ mA}$ | | 40 | | nm |
| Reverse current | I_R | $V_R = 3\text{ V}$ | | | 10 | μA |



■ Package (Unit: mm)



- Pin name
- 1: Cathode
- 2: Anode
- 3: Cathode
- 4: Anode

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