

LN289CUQ

Ultra Bright GaAlAs Lamps

Round Type ϕ 5.0 mm Series

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

| Parameter | Symbol | Rating | Unit |
|-------------------------------|-----------|-------------|------------------|
| Power dissipation | P_D | 120 | mW |
| Forward current | I_F | 50 | mA |
| Pulse forward current * | I_{FP} | 150 | 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 | $^\circ\text{C}$ |

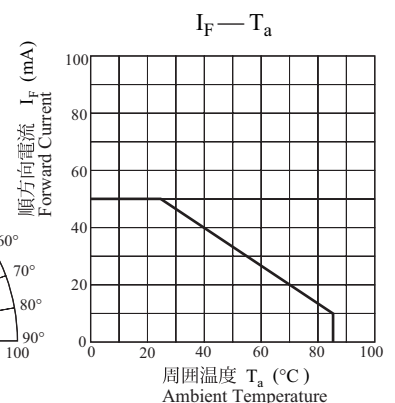
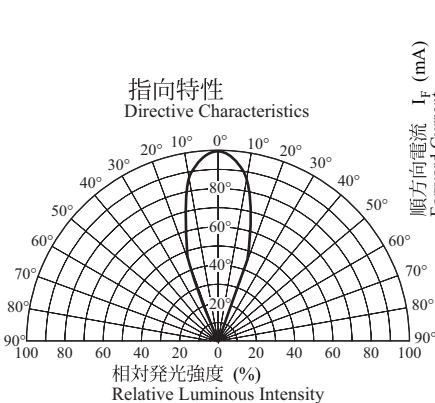
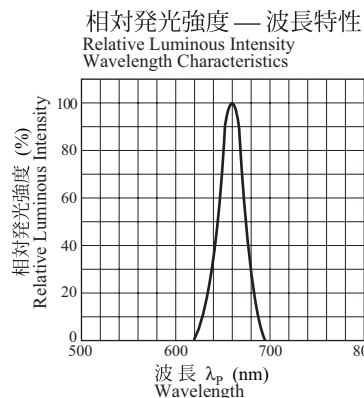
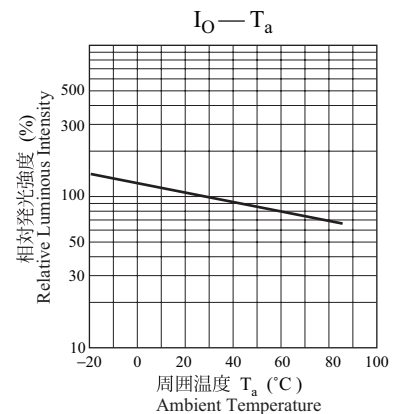
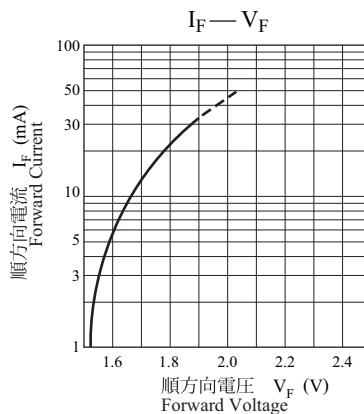
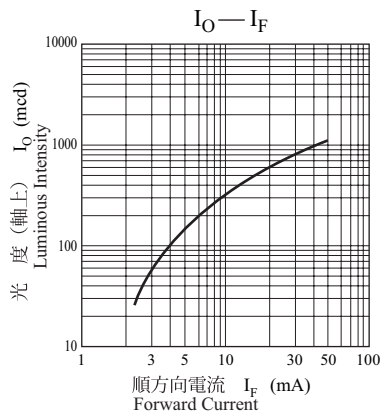
Note) *: The condition of I_{FP} is duty 10%, Pulse width 1 msec.

■ Lighting Color / Lens Color

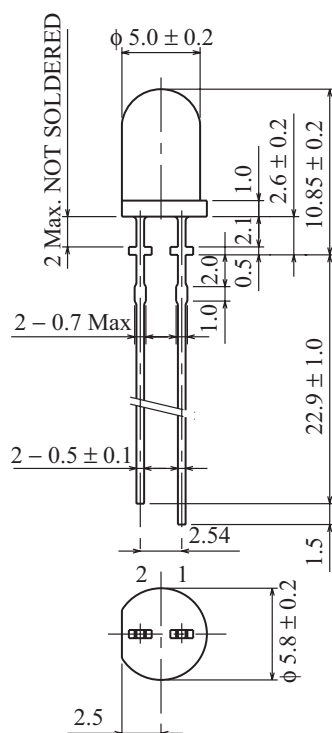
- Red / Clear

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

| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
|--------------------------|-----------------|----------------------|-----|-----|-----|---------------|
| Luminous intensity | I_O | | 300 | 620 | | mcd |
| Forward current | I_F | | | 20 | | mA |
| Forward voltage | V_F | $I_F = 20\text{ mA}$ | | 1.8 | 2.4 | V |
| Peak emission wavelength | λ_p | $I_F = 20\text{ mA}$ | | 660 | | nm |
| Spectral half band width | $\Delta\lambda$ | $I_F = 20\text{ mA}$ | | 20 | | nm |
| Reverse current | I_R | $V_R = 3\text{ V}$ | | | 100 | μA |



■ Package (Unit: mm)



- Pin name
- 1: Anode
- 2: Cathode

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