

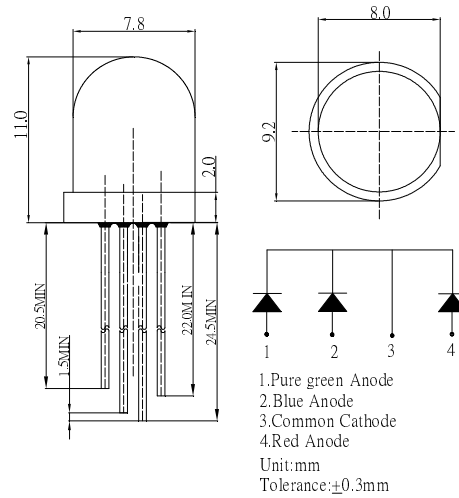
■ **Features**

- High Luminous Output
- 8mm Standard Directivity
- Water Clear Type
- Common Cathode Type

■ **Applications**

- Toys
- Games
- Audio
- Other Lighting

■ **Outline Dimension**

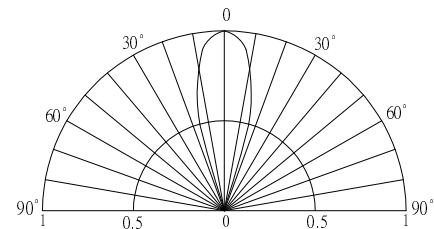


■ **Absolute Maximum Rating (Ta=25°C)**

| Item | Symbol | Value | | Unit |
|----------------------------|-----------|------------|------------|------|
| | | Red | Green/Blue | |
| DC Forward Current | I_F | 30 | 30 | mA |
| Pulse Forward Current* | I_{FP} | 100 | 100 | mA |
| Reverse Voltage | V_R | 5 | 5 | V |
| Power Dissipation | P_D | 78 | 108 | mW |
| Operating Temperature | T_{opr} | -30 ~ +85 | | °C |
| Storage Temperature | T_{stg} | -40 ~ +100 | | °C |
| Lead Soldering Temperature | T_{sol} | 260°C/5sec | | - |

*Pulse width Max.10ms Duty ratio max 1/10

■ **Directivity**



■ **Electrical -Optical Characteristics (Ta=25°C)**

| Item | Symbol | Condition | Min. | Typ. | Max. | Unit |
|--------------------|---------------------|------------|-------|-------|------|------|
| DC Forward Voltage | V_F (R) | $I_F=20mA$ | 1.8 | 2.1 | 2.6 | V |
| | V_F (B/G) | $I_F=20mA$ | 2.9 | 3.1 | 3.6 | V |
| DC Reverse Current | I_R | $V_R=5V$ | - | - | 10 | μA |
| Domi. Wavelength | λ_D (Red) | $I_F=20mA$ | 620 | 625 | 630 | nm |
| | λ_D (Green) | $I_F=20mA$ | 520 | 525 | 530 | nm |
| | λ_D (Blue) | $I_F=20mA$ | 465 | 470 | 475 | nm |
| Luminous Intensity | I_v (Red) | $I_F=20mA$ | 7000 | 8500 | - | mcd |
| | I_v (Green) | $I_F=20mA$ | 10000 | 12000 | - | mcd |
| | I_v (Blue) | $I_F=20mA$ | 3000 | 4000 | - | mcd |
| 50% Power Angle | $2\theta_{1/2}$ | $I_F=20mA$ | - | 30 | - | deg |

*1 Tolerance of measurements of dominant wavelength is ±1nm

*2 Tolerance of measurements of luminous intensity is ±15%

*3 Tolerance of measurements of forward voltage is ±0.1V