

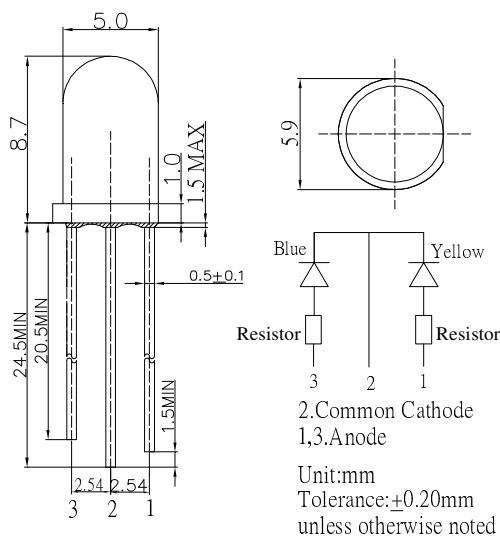
■Features

- High Luminous LEDs
- 5mm Round Standard Directivity
- UV Resistant Epoxy
- Integral Current Limiting Resistor
- TTL Compatible (Requires No External Current Limiter With 5 Volt Supply)
- Cost Effective (Saves Space and Resistor Cost)
- Water Clear Type

■Applications

- Toys/ Games/ Audio
- Other Lighting

■Outline Dimension



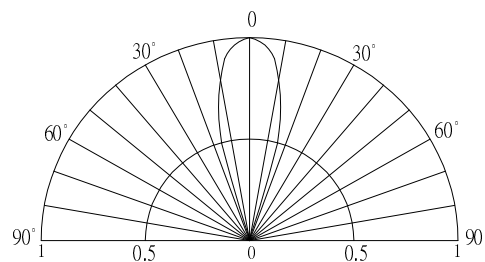
■Absolute Maximum Rating

(Ta=25°C)

| Item | Symbol | Value | Unit |
|----------------------------|----------------|------------|------|
| DC Forward Voltage | V _F | 7.5 | V |
| Reverse Voltage | V _R | 5 | V |
| Power Dissipation | P _D | 150 | mW |
| Operating Temperature | Topr | -30~ +85 | °C |
| Storage Temperature | Tstg | -40 ~ +100 | °C |
| Lead Soldering Temperature | Tsol | 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 Current*1 | I _F (YL) | V _F =5V | - | 12 | 20 | mA |
| | I _F (Blue) | V _F =5V | - | 12 | 20 | mA |
| DC Reverse Current | I _R | V _R =5V | - | - | 10 | µA |
| Domi. Wavelength*2 | λ _D (YL) | V _F =5V | 585 | 590 | 595 | nm |
| | λ _D (Blue) | V _F =5V | 465 | 470 | 475 | nm |
| Luminous Intensity*3 | I _v (YL) | V _F =5V | 2180 | 3000 | - | mcd |
| | I _v (Blue) | V _F =5V | 1120 | 1560 | - | mcd |
| 50% Power Angle | 2θ _{1/2} | V _F =5V | - | 30 | - | deg |

*1 Tolerance of measurements of forward current is ±1mA

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

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

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