

Features:

- High Luminous Super Flux Output
- Superior Weather-resistance
- UV Resistant Epoxy
- Long Lifetime Operation
- Water Clear Type

Applications

- General Purpose Indicators
- Small Area Illuminations
- Back Lighting
- Other Lighting

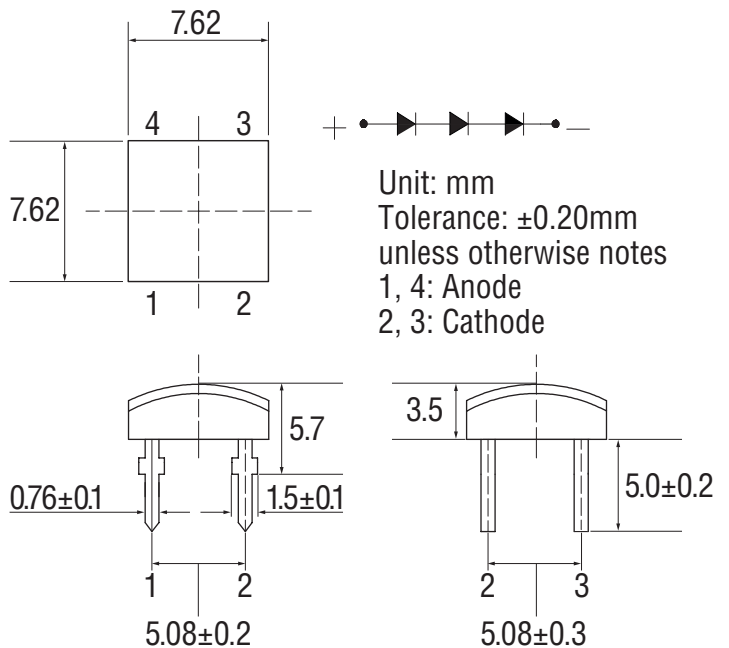


Absolute maximum rating (Ta=25°C)

| Item | Symbol | Value | Unit |
|----------------------------|-----------|-------------|------|
| DC forward current | I_F | 30 | mA |
| Pulse forward current* | I_{FP} | 50 | mA |
| Reverse voltage | V_R | 15 | V |
| Power dissipation | P_D | 306 | mW |
| Operating temperature | T_{opr} | -30 to +85 | °C |
| Storage temperature | T_{stg} | -40 to +100 | °C |
| Lead soldering temperature | T_{sol} | 260°C/5sec | - |

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

Outline dimensions:



Electrical - Optical characteristics (Ta=25°C)

| Item | Symbol | Condition | Min. | Typ. | Max. | Unit |
|---------------------------|-----------------|---------------------|------|------|------|------|
| DC forward voltage | V_F | $I_F = 30\text{mA}$ | 8.4 | 8.9 | 10.2 | V |
| DC reverse current | I_R | $V_R = 15\text{V}$ | - | - | 10 | µA |
| Luminous flux* | Φ_V | $I_F = 30\text{mA}$ | 25 | 30 | 35 | lm |
| Colour temperature | CCT | $I_F = 30\text{mA}$ | 5500 | 6500 | 8000 | K |
| Chromaticity coordinates* | x | $I_F = 30\text{mA}$ | 0.29 | 0.31 | 0.33 | |
| | y | $I_F = 30\text{mA}$ | 0.31 | 0.33 | 0.35 | |
| 50% Power angle | $2\theta_{1/2}$ | $I_F = 30\text{mA}$ | - | 140 | - | deg |

*1 Tolerance of measurements of chromaticity coordinate is +10%

*2 Tolerance of measurements of Luminous Flux is +15%

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

Directivity:

