

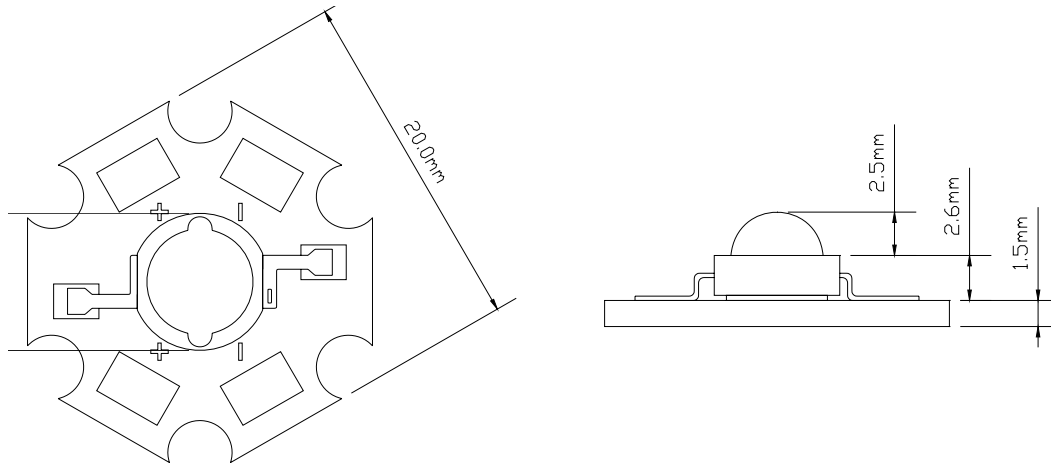
PRODUCT SPECIFICATION

Descriptions:

- 3W High Power Type
- Emitting Color: White
- Viewing Angle: 135°

| |
|---------------------------------|
| CUSTOMER APPROVED SIGNATURES |
| |

■ Package Dimensions



Notes

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25\text{mm}$ (0.010") unless otherwise noted.
3. Protruded resin under flange is 1.0mm(0.04") max.
4. Specifications are subject to change without notice.

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

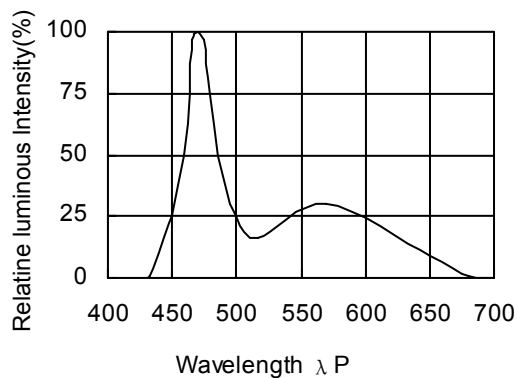
| Parameter | Maximum Rating |
|--|---------------------|
| Power Dissipation | 3W |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 1500mA |
| Continuous Forward Current | 750mA |
| Derating Linear From 30°C | 0.5mA/°C |
| Reverse Voltage | 5V |
| Operating Temperature Range | -20°C to + 80°C |
| Storage Temperature Range | -30°C to + 100°C |
| Lead Soldering Temperature | 260°C for 5 Seconds |

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

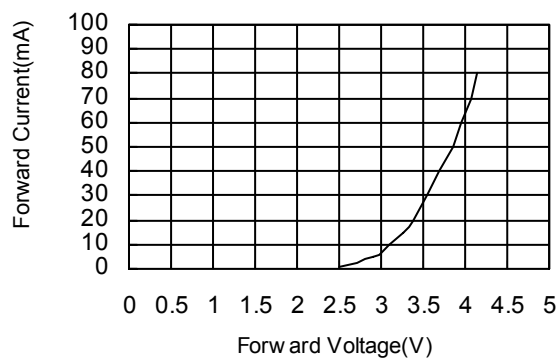
| Parameter | Symbol | Min. | Typ. | Max. | Unit | Test Condition |
|--------------------------|------------------|------|------|-------|---------|----------------|
| Luminous Intensity | LM | 110 | 120 | 130 | lm | IF =750mA |
| Viewing Angle | 2θ 1/2 | 130 | 135 | 140 | deg | IF =750mA |
| Dominant Wavelength | Tc | 8000 | | 10000 | K | IF =750mA |
| Spectral Line Half-Width | $\Delta \lambda$ | | | | nm | IF =750mA |
| Forward Voltage | VF | 3.2 | 3.4 | 3.6 | V | IF =750mA |
| Reverse Current | IR | | | 20 | μ A | VR = 5V |

■ **Typical Electrical / Optical Characteristics Curves**(25°C Ambient Temperature Unless Otherwise Noted)

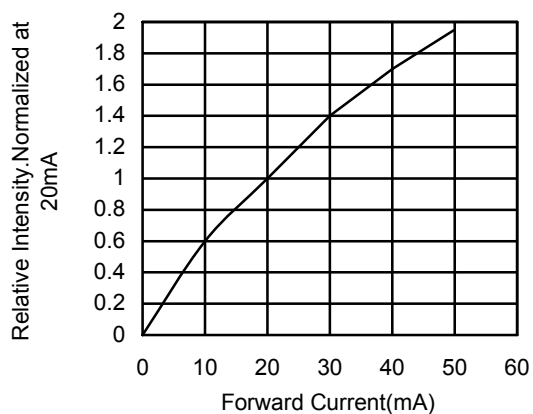
Spectrum Distribution Ta=25°



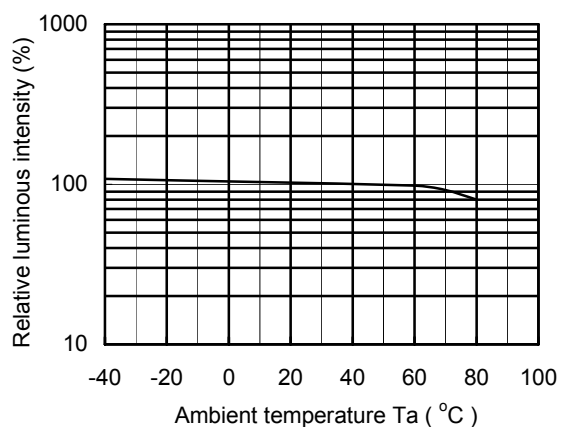
Forward Current vs. Forward Voltage



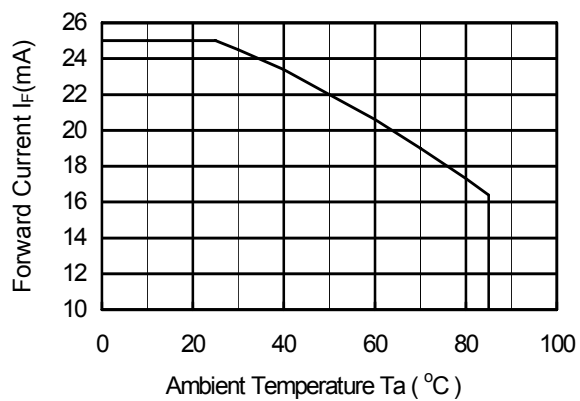
Relative Luminous Intensity vs. Forward Current



Relative Luminous Intensity vs. Ambient Temperature (I_F=20mA)



Forward Current Derating Curve



Beam Pattern

