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| | |
| Rev. | 01 |

PRODUCT SPECIFICATION

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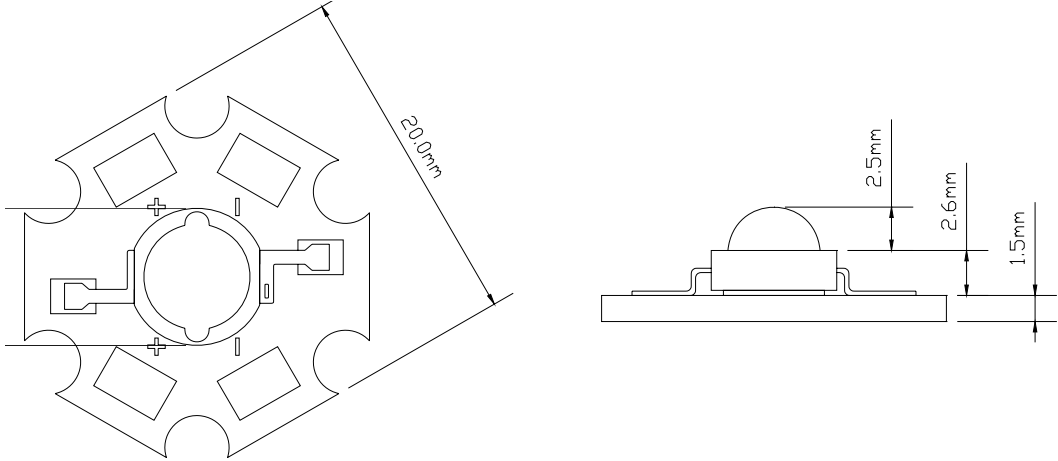
Descriptions:

- 1W High Power Type
- Emitting Color: Purple
- Viewing Angle: 135°

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| CUSTOMER APPROVED SIGNATURES |
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■ Package Dimensions



Notes

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

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

| Parameter | Maximum Rating |
|--|---------------------|
| Power Dissipation | 1W |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 1500mA |
| Continuous Forward Current | 350mA |
| 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 | --- | --- | --- | lm | IF =350mA |
| Viewing Angle | $2\theta_{1/2}$ | 130 | 135 | 140 | deg | IF =350mA |
| Dominant Wavelength | Tc | | | | K | IF =350mA |
| Spectral Line Half-Width | $\Delta\lambda$ | 395 | | 400 | nm | IF =350mA |
| Forward Voltage | VF | 3.2 | 3.4 | 3.6 | V | IF =350mA |
| Reverse Current | IR | | | 20 | μA | VR = 5V |

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

Spectrum Distribution Ta=25°

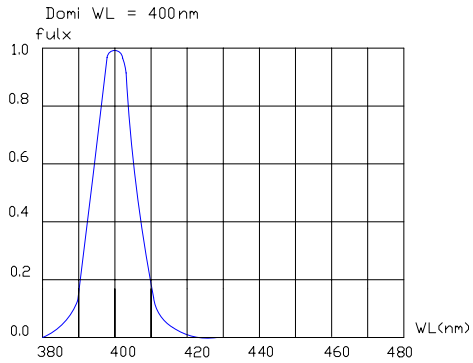
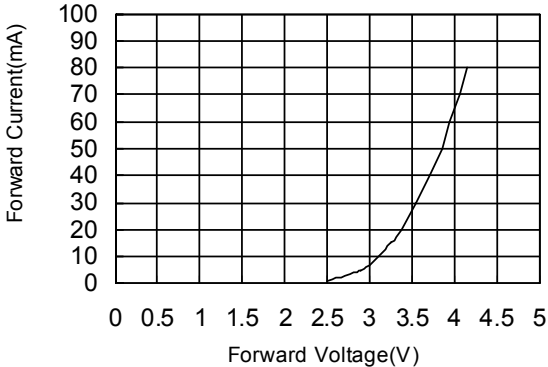
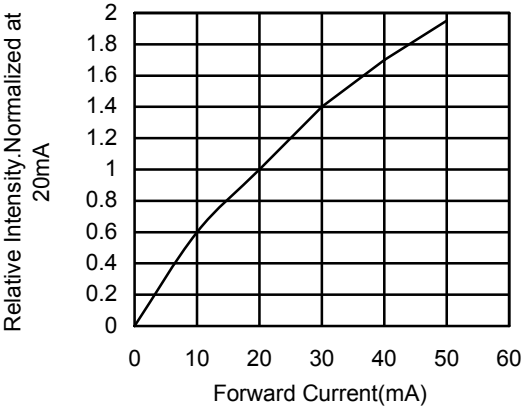


Fig.4 Relative Luminous Flux vs. Wavelength

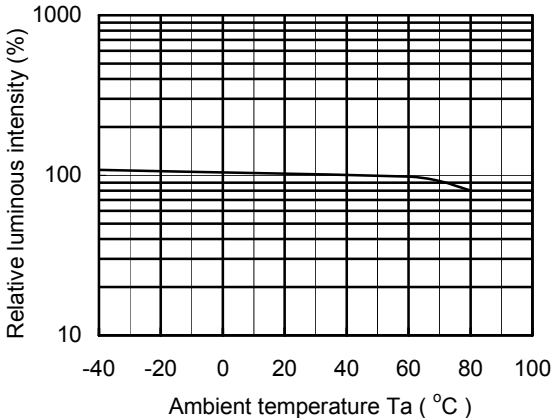
Forward Current vs. Forward Voltage



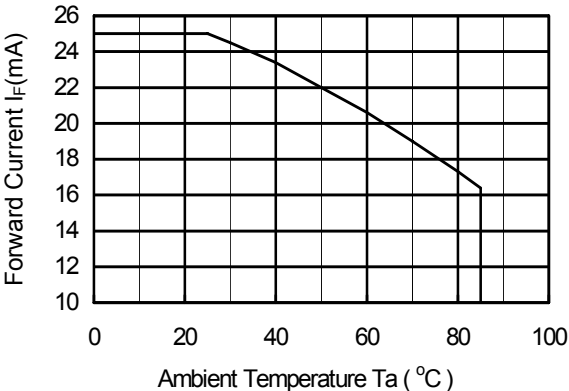
Relative Luminous Intensity vs. Forward Current



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



Forward Current Derating Curve



Beam Pattern

