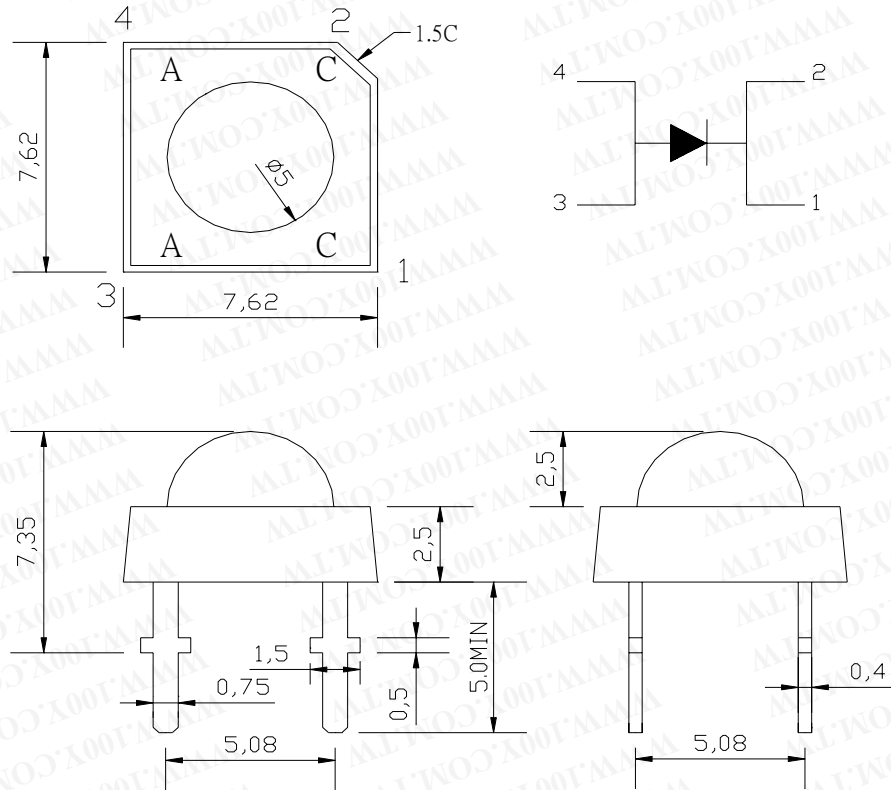


Features:

1. Low power consumption
2. High efficiency
3. Reliable and rugged
4. Chip Material: InGaN
5. Lens Color: Water Transparent
6. Source Color: Blue

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 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Outline Dimensions:



Note :

1. All dimensions are in millimeters (inches)
2. Tolerance is $\pm 0.25\text{mm}$ (.010") unless otherwise noted
3. Protruded resin under flange is 1.0mm (.04") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notices.

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■ Absolute Maximum Ratings at Ta=25°C:

| Parameter | Maximum | Unit |
|---|---------------------|-------|
| Power Dissipation | 120 | mW |
| Peak Forward Current (1/10 Duty Cycle,0.1ms Pulse Width) | 100 | mA |
| Continuous Forward Current | 30 | mA |
| Derating Linear From 50°C | 0.5 | mA/°C |
| Reverse Voltage | 5 | V |
| Operating Temperature Range | -20°C to +80°C | |
| Storage Temperature Range | -30°C to +100°C | |
| Lead Soldering Temperature [1.6mm(0.63") from body] | 260°C for 3 Seconds | |

■ Electrical/Optical Characteristics at Ta=25°C:

| Parameter | Symbol | Test Condition | Min. | Typ. | Max. | Unit |
|---------------------|-----------------|----------------|------|------|------|------|
| Luminous Intensity | I_v | $I_F=20mA$ | 500 | 700 | | mcd |
| Dominant Wavelength | λ_d | $I_F=20mA$ | 460 | | 475 | nm |
| Viewing Angle | $2\theta_{1/2}$ | $I_F=20mA$ | | 70 | | deg |
| Forward Voltage | V_F | $I_F=20mA$ | | 3.3 | 3.8 | V |
| Reverse Current | I_R | $V_R=5V$ | | | 100 | uA |

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

Fig1. Relative Intensity vs. Wavelength

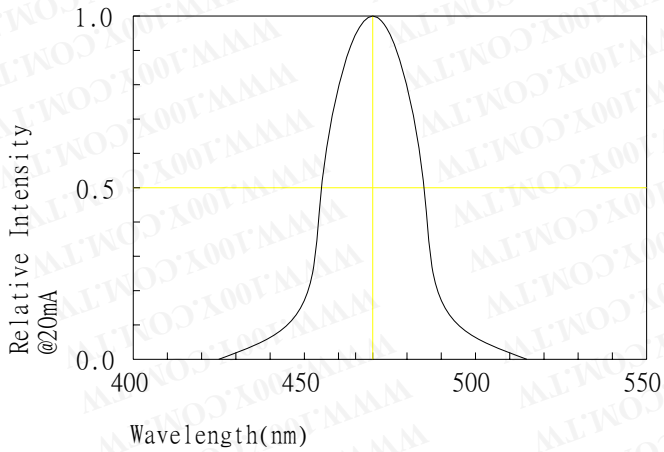


Fig2. Forward Current vs. Forward Voltage

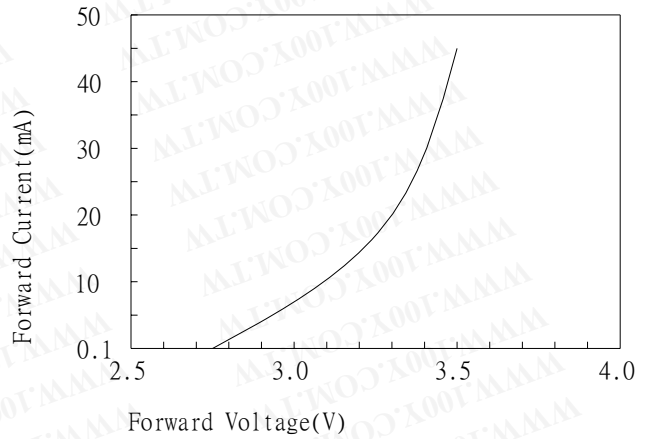


Fig3. Relative Intensity vs. Forward Current

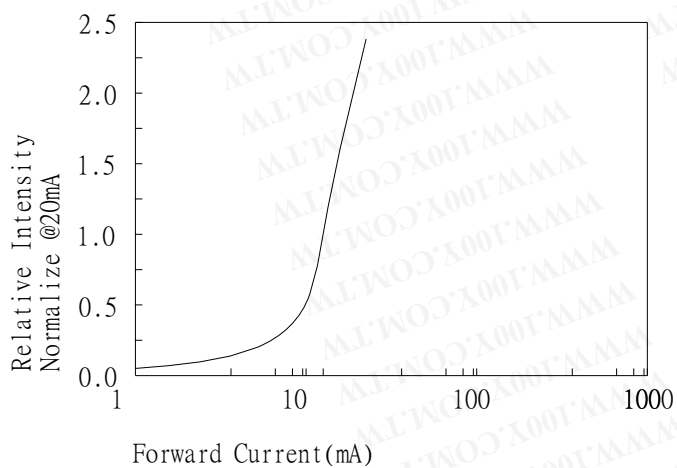
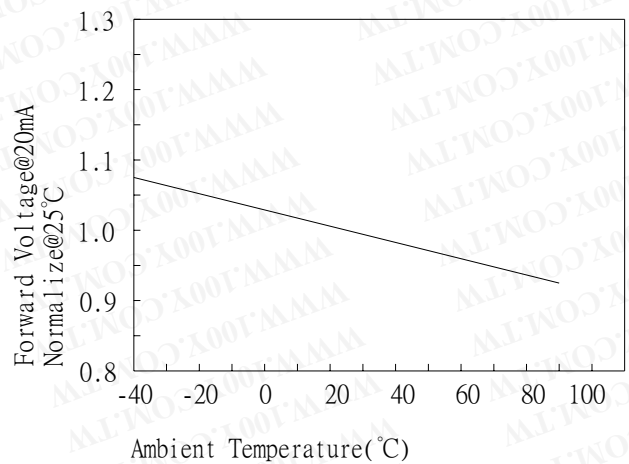


Fig4. Forward Voltage vs. Temperature



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