**PRODUCT SPECIFICATION**

**Model No.：FYL-5012UWC1C**

|  |
| --- |
| **Descriptions:** |
| ■Dice material:InGaN. |
| ■Emitting Color: Super bright White. |
| ■Device Outline: Φ5mm round type. |
| ■Lens Type: Water clear. |



|  |  |  |  |
| --- | --- | --- | --- |
| **CUSTOMER APPROVED SIGNATURES** | **APPROVED BY** | **SALES BY** | **PREPARED BY** |
|  |  |  |  |
|

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* Features

1. Low power consumption.
2. High efficiency.
3. General purpose leads.
4. High intensity.
5. RoHs compliant.

* Package configuration



Notes:

1. All dimensions are millimeters (inches)

2. Tolerance is ±0.25mm(.010”) unless otherwise noted.

3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

* Absolute maximum ratings(Ta=25゜с)

|  |  |  |
| --- | --- | --- |
| Parameter | MAX. | Unit |
| Power Dissipation | 90 | mW |
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 100 | mA |
| Continuous Forward Current | 25 | mA |
| Derating Linear From 50℃ | 0.4 | mA/℃ |
| Reverse Voltage | 5 | V |
| Operating Temperature Range | -40℃ to +85℃ | |
| Storage Temperature Range | -40℃ to +100℃ | |
| Lead Soldering Temperature[4mm(.157”) From Body] | 260℃ for 5 Seconds | |

* Electrical and optical characteristics(Ta=25゜с)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Parameter | Symbol | Min. | Typ. | Max. | Unit | Test Condition |
| Luminous Intensity | IV | 10000 | 15000 | -- | mcd | IF=20mA |
| Viewing Angle | 2θ1/2 | -- | 15 | -- | Deg |
| Chromaticity  coordinates | X | -- | 0.309 | -- |  |
| Y | -- | 0.3 | -- |  |
| Color temperature | CCT | -- | 7000 | -- | K |
| Forward Voltage | VF | 2.8 | 3.0 | 3.4 | V |
| Reverse Current | IR |  |  | 10 | µA | VR=5V |

* Typical Electrical Characteristics Curves

**(25゜с Ambient Temperature Unless Otherwise Noted)**



**Radiation pattern.**



* LAMP PACKING.



5mm 1000PCS/Polybag

10000PCS/ Box

60000PCS/ Carton