

# LED DATA SHEET

|               |              |             |             |
|---------------|--------------|-------------|-------------|
| Part No.      | WR106UY/W    |             |             |
| Emitted Color | Super Yellow | Len's Color | Water Clear |
| Chip Materia  | AlGaInP      |             |             |

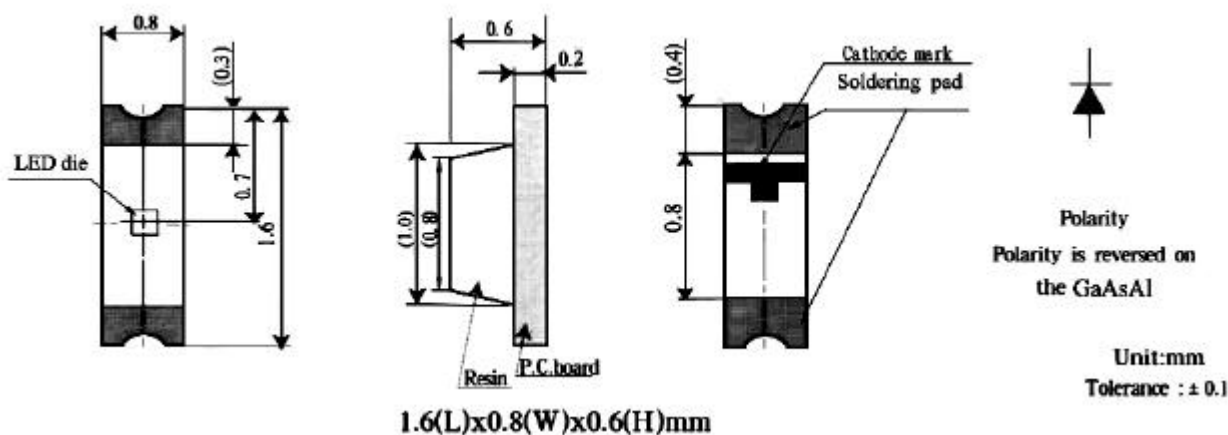
## Features:

Compatible with automatic placement equipment  
Compatible with reflow solder process  
Low power consumption and wide viewing angle

## Applications:

Automotive and Telecommunication  
Flat backlight for LCD ,switch and symbol in telephone and fax  
General use for indicators

## Package Dimensions:



## Note:

- 1、 All dimensions are in millimetres (mm)
- 2、 Tolerance is ± 0.1mm unless otherwise noted

### Absolute Maximum Rating ( Ta=25 )

| Parameter                                              | Symbol    | Max.      | Unit |
|--------------------------------------------------------|-----------|-----------|------|
| Power Dissipation                                      | $P_M$     | 60        | Mw   |
| Pulse Forward Current<br>(1/10 duty and 0.1msec width) | $I_{FP}$  | 60        | mA   |
| Continuous Forward Current                             | $I_F$     | 25        | mA   |
| Reverse Voltage                                        | $V_R$     | 5         | V    |
| Operating Temperature Range                            | $T_{opr}$ | -40 ~ 85  |      |
| Storage Temperature Range                              | $T_{stg}$ | -40 ~ 100 |      |
| Reflow Soldering : 250 , 5sec , max                    |           |           |      |

### Electrical Optical Characteristics ( Ta=25 )

| Parameter                | Symbol           | Min. | Typ. | Max. | Unit | Test Condition |
|--------------------------|------------------|------|------|------|------|----------------|
| Luminous Intensity       | $I_V$            | --   | 100  | --   | mcd  | $I_F = 20mA$   |
| Forward Voltage          | $V_F$            | --   | 2.0  | 2.5  | V    | $I_F = 20mA$   |
| Reverse Current          | $I_R$            | --   |      | 10   | uA   | $V_R = 5V$     |
| Dominant Wavelength      | $\lambda_d$      | --   | 592  | --   | nm   | $I_F = 20mA$   |
| Peak Emission Wavelength | $\lambda_p$      | --   | 596  | --   | nm   | $I_F = 20mA$   |
| Spectral Line Half Width | $\Delta \lambda$ | --   | 30   | --   | nm   | $I_F = 20mA$   |
| Viewing Angle            | $2\theta_{1/2}$  | --   | 125  | --   | Deg. | $I_F = 20mA$   |

| BIN Code                             | J     | K     | L      | M       | N       |
|--------------------------------------|-------|-------|--------|---------|---------|
| Luminous Intensity<br>@ $I_F = 10mA$ | 45~60 | 60~80 | 80~100 | 100~130 | 130~160 |

### Classing Marking:

For example

**HKOOL**

Code Order : Voltage—Dominant Wavelength—OO—Luminous Intensity

