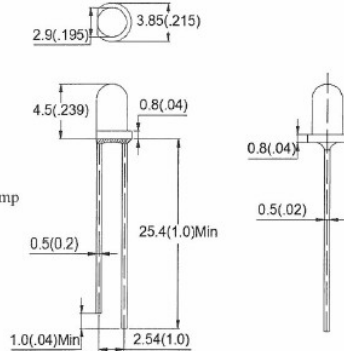


Specification

Part No.: HUWH-3101L-Y

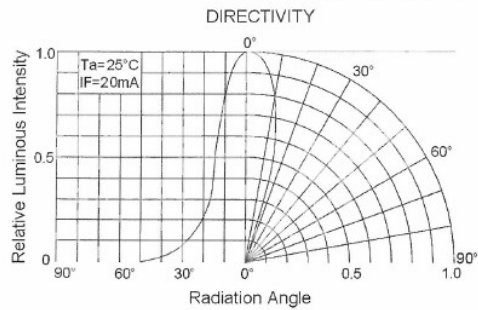
► Main descriptions:

- Standard $\Phi 3$ mm super bright lamp LED
- Single color: WarmWhite
- Lens Type: Water Clear
- Dice Material: AlGaInP
- High intensity, reliability and long life
- Environmental friendly, RoHs compliant
- Mainly used in lighting area or as signal lamp



NOTE:

1. All dimensions are in millimeter (Inches).
2. Tolerance is ± 0.25 mm (010") unless otherwise noted.
3. Specifications are subject to change without notice.



◆ Soldering Condition

Careful attention should be paid during soldering. When soldering, leave more than 2mm from solder joint to case, and soldering beyond the base of the tie bar is recommended.

Avoiding applying any stress to the lead frame while the LEDs are at high temperature particularly when soldering.

◆ Absolute Maximum Rating (Ta=25°C)

| Series | Symbol | Testing Condition | Characteristics | | Unit |
|-----------------------------|--------|------------------------------------|-----------------|------|-------|
| | | | Min. | Max. | |
| Power Dissipation | Pd | — | — | 120 | mW |
| Reverse Voltage | VR | IR = 50 μ A | 6 | — | V |
| Peak Forward Current | Ipeak | Duty=0.1, 1kHz | — | 100 | mA |
| Derating Linear | I/C | — | — | 0.4 | mA/°C |
| Operating Temperature Range | Topr | — | -25 | +80 | °C |
| Storage Temperature Range | Tstr | — | -40 | +100 | °C |
| Lead Soldering Temperature | Tsol | 260°C for 5sec. (3.0mm from resin) | | | |
| Anti-static Voltage | 1000 | | | | V |

◆ Electrical and optical characteristics (Ta = 25°C)

| Series | Symbol | Test Condition | Characteristics | | | Unit |
|--------------------|------------------|----------------|-----------------|------|------|---------|
| | | | Min. | Typ. | Max. | |
| Forward Voltage | VF | IF=20mA | 3.0 | 3.2 | 3.4 | V |
| Reverse Current | IR | VR=5V | — | — | 30 | μ A |
| Color Temperature | CT | IF=20mA | 2700-3500 | | | K |
| Luminous Intensity | Iv | IF=20mA | 6000 | 8000 | — | med |
| Viewing Angle | 2 $\theta_{1/2}$ | IF=20mA | — | 30 | — | deg. |

Recommended soldering conditions

| Hand Soldering | | DIP Soldering | |
|---------------------|-------------------------------------|---------------|--------------------------|
| Temp.at tip of iron | 300°C Max.(30WMax.) | Preheat temp. | 100°C Max. (60 sec Max.) |
| Soldering time | 3 sec Max. | Bath temp. | 260°C Max |
| Distance | 2mm Min.(From solder joint to case) | Bath time. | 3 sec Max. |
| | | Distance | 2mm Min |