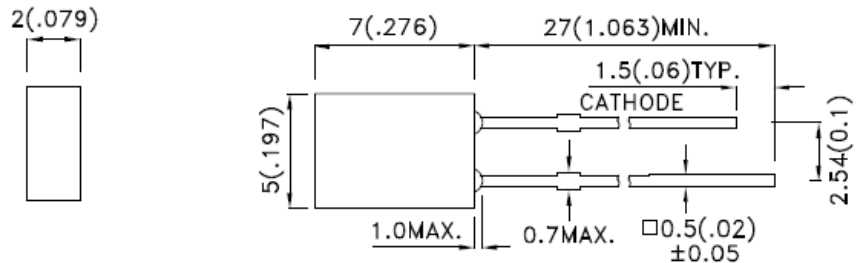




**ATTENTION**  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
DISCHARGE  
SENSITIVE  
DEVICES

## 2634R1C-JSA-C

### Package Dimensions



- Notes:** 1. Other dimensions are in millimeters, tolerance is 0.25mm except being specified.  
2. Protruded resin under flange is 1.5mm Max LED.  
3. Bare copper alloy is exposed at tie-bar portion after cutting

### Features

- High efficiency
- Low Power consumption
- General purpose leads
- Selected minimum intensities
- Available on tape and reel
- Pb free
- Lens Color: Water Clear

### Applications

- Status indicators
- Commercial use
- Advertising Signs
- Back lighting

### Usage Notes

Surge will damage the LED

When using LED, it must use a protective resistor in series with DC current about 20mA

### Description

- The series is specially designed for applications requiring higher brightness
- The LED lamps are available with different colors, intensities, epoxy colors, etc
- Superior performance in outdoor environment

### Device Selection Guide

| Part No.      | Chip     |               | Lens Color  |
|---------------|----------|---------------|-------------|
|               | Material | Emitted Color |             |
| ARL-3014URD-B | AlGaInP  | Red           | Water Clear |

### Absolute Maximum Rating ( $T_a = 25^\circ\text{C}$ )

| Parameter             | Symbol    | Absolute Maximum Rating | Units            |
|-----------------------|-----------|-------------------------|------------------|
| Forward Pulse Current | $I_{FPM}$ | 60                      | mA               |
| Forward Current       | $I_{FM}$  | 30                      | mA               |
| Reverse Voltage       | $V_R$     | 5                       | V                |
| Power Dissipation     | $P_D$     | 120                     | mW               |
| Operating Temperature | $T_{opr}$ | -40 ~ +80               | $^\circ\text{C}$ |
| Storage Temperature   | $T_{stg}$ | -40 ~ +100              | $^\circ\text{C}$ |
| Soldering Temperature | $T_{sol}$ | 260                     | $^\circ\text{C}$ |

## Electrical / Optical Characteristics at TA=25°C

| Parameter                | Symbol          | Min  | Typ. | Max. | Units   | Test Conditions  |
|--------------------------|-----------------|------|------|------|---------|------------------|
| Luminous Intensity       | $I_v$           | 1000 | ---  | 2000 | mcd     | IF=20mA (Note 1) |
| Viewing Angle            | $2\theta_{1/2}$ | 60   | ---  | 80   | Deg     | (Note 2)         |
| Peak Emission Wavelength | $\lambda_p$     | 620  | 625  | 630  | nm      | IF=20mA          |
| Spectral Line Half-Width | $\lambda$       | 15   | 20   | 25   | nm      | IF=20mA          |
| Forward Voltage          | $V_F$           | 1.9  | ---  | 2.3  | V       | IF=20mA          |
| Reverse Current          | $I_R$           | ---  | ---  | 10   | $\mu A$ | VR=5V            |

- Notes:** 1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.  
2.  $\theta_{1/2}$  is the off-axis angle at which the luminous intensity is half the axial luminous intensity.

## Typical Electro-Optical Characteristics Curves

