



**Ledtech Corporation (UK)**

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## SPECIFICATION

LK5274-41

2.0 \* 5.0mm Rectangle Standard LED Lamp DH Red



GLOBAL BRILLIANCE

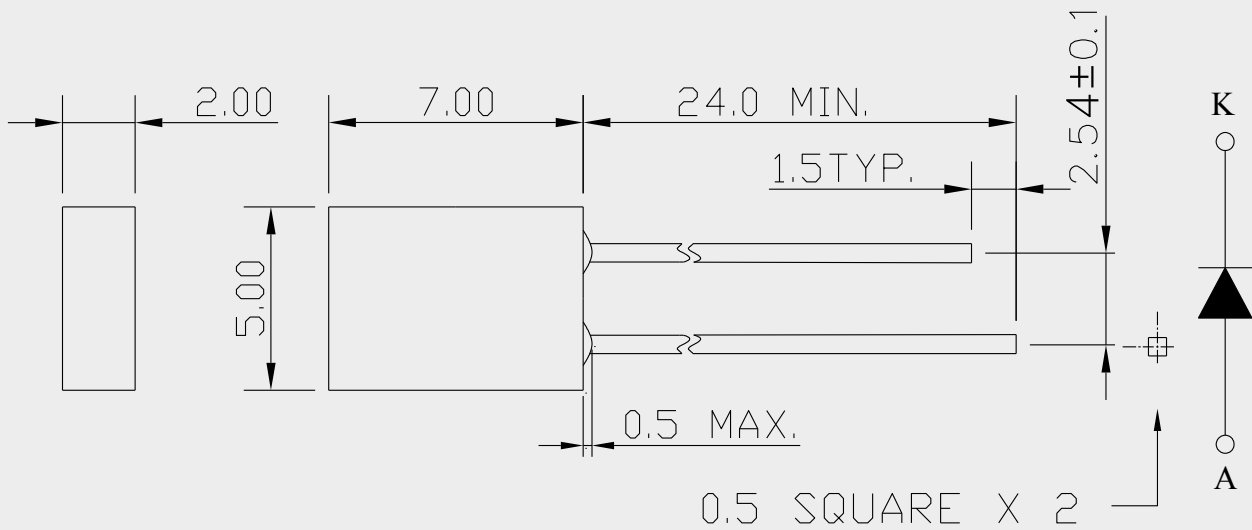
## Description

2.0 \* 5.0mm Rectangle Standard  
LED Lamp DH Red

## Part No

LK5274-41

## Dimensions



## Description

| Part No.  | LED Chip    |                 | LENS              |
|-----------|-------------|-----------------|-------------------|
|           | Material    | Emitting Colour | Type              |
| LK5274-41 | AlGaAs/GaAs | DH Red          | Color Transparent |

## Notes

- All dimensions are in mm.
- Tolerance is ± 0.25mm unless otherwise noted.



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## Part No

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## Absolute Maximum Ratings at Ta=25°C

| Parameter   | Symbol    | Rating  | Unit |
|---|-----------|---|------|
| Power Dissipation                                 | Pd        | 66  | mW   |
| Reverse Voltage                                   | Vr        | 4   | V    |
| D.C. Forward Current                              | If        | 30  | mA   |
| Peak Current (1/10 Duty Cycle, 0.1ms Pulse Width) | If (Peak) | 100   | mA   |
| Operating Temperature Range                       | Topr.     | -25 to +85  | °C   |
| Storage Temperature Range                         | Tstg.     | -40 to +100   | °C   |
| Soldering Temperature (1.6mm from body)           | Tsol.     | Dip Soldering : 260°C for 5 sec.<br>Hand Soldering : 350°C for 3 sec. |      |

## Typical Electrical and Optical Characteristics:

| Parameter                 | Symbol           | Condition | Value | Unit    |
|---------------------------|------------------|-----------|-------|---------|
| Luminous Intensity        | Iv               | If=20mA   | 11    | mcd     |
| Forward Voltage           | Vf               | If=20mA   | 1.8   | V       |
| Peak Wavelength           | $\lambda_p$      | If=20mA   | 660   | nm      |
| Dominant Wavelength       | $\lambda_p$      |           | 643   |         |
| Reverse (Leakage) Current | Ir               | Vr=5V     | 100   | $\mu$ A |
| Viewing Angle             | 2 $\theta_{1/2}$ | If=20mA   | 90    | deg     |