

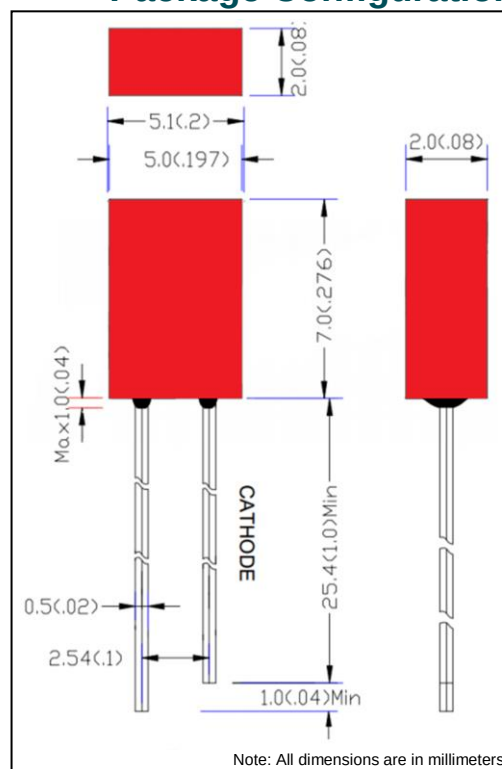
## LEDs

2x5x7mm Rectangular - Red

HL-9008

| Descriptions:                 |
|-------------------------------|
| Emitting Color: Red           |
| Device Outline: 2.0x5.0x7.0mm |
| Lens Type: Red Diffused       |

### Package Configuration



### Absolute Maximum Ratings (Ta=25°C)

| Parameter                                                 | Max.                | Unit. |
|-----------------------------------------------------------|---------------------|-------|
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 200                 | mA    |
| Continuous Forward Current                                | 20                  | mA    |
| Reverse Voltage                                           | 5                   | V     |
| Operating Temperature Range                               | -40 °C to +85°C     |       |
| Storage Temperature Range                                 | -40 °C to +100°C    |       |
| Lead Soldering Temperature[4mm(.157") From Body]          | 250°C for 5 Seconds |       |

### Electrical and optical characteristics

| Parameter           | Symbol          | Min. | Typ. | Max. | Unit. | Test Condition     |
|---------------------|-----------------|------|------|------|-------|--------------------|
| Luminous Intensity  | $I_v$           | -    | 7.5  | -    | mcd   | $I_F=20\text{ mA}$ |
| Viewing Angle       | $2\theta_{1/2}$ | -    | 130  | -    | deg.  |                    |
| Dominant Wavelength | $\Delta d$      | -    | 630  | -    | nm    |                    |