

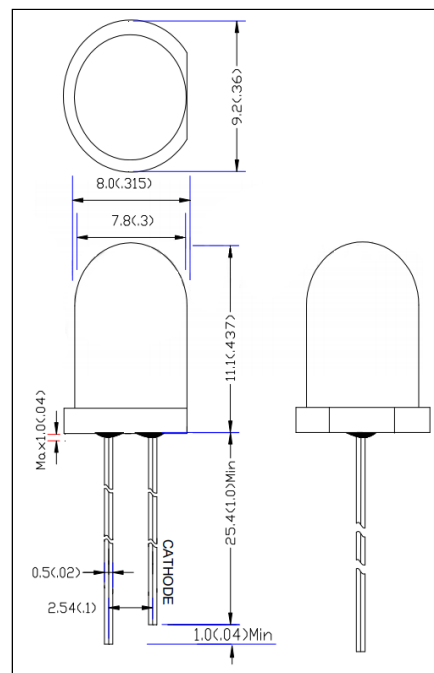
## LEDs

**8mm Round**

**HL-7903**

### Package Configuration

| Descriptions:                                |
|----------------------------------------------|
| Material: AlGaInP                            |
| Emitting Color: Orange                       |
| Device Outline: $\Phi 8\text{mm}$ round type |
| Lens Type: Orange Diffused                   |



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

| Parameter                                                 | Max.                | Unit. |
|-----------------------------------------------------------|---------------------|-------|
| Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width) | 100                 | mA    |
| Continuous Forward Current                                | 30                  | 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]          | 260°C for 5 Seconds |       |

### Electrical and optical characteristics

| Parameter           | Symbol          | Min. | Typ. | Max. | Unit. | Test Condition    |
|---------------------|-----------------|------|------|------|-------|-------------------|
| Luminous Intensity  | $I_v$           | -    | 240  | -    | mcd   | $I_F=20\text{mA}$ |
| Viewing Angle       | $2\theta_{1/2}$ | -    | 20   | -    | Deg.  |                   |
| Dominant Wavelength | $\Delta d$      | -    | 635  | -    | nm    |                   |