

Part Number: L-934HDLK

BRIGHT RED

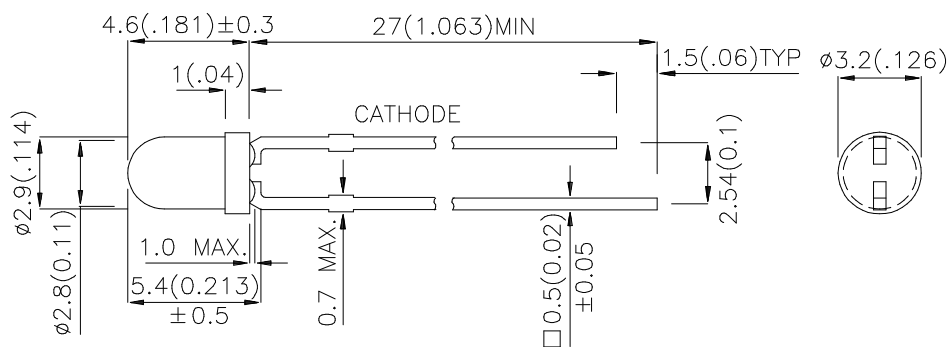
Features

- LOW POWER CONSUMPTION.
- POPULAR T-1 DIAMETER PACKAGE.
- GENERAL PURPOSE LEADS.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.
- AVAILABLE ON TAPE AND REEL.
- RoHS COMPLIANT.

Description

The Bright Red source color devices are made with Gallium Phosphide Red Light Emitting Diode.

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ " unless otherwise noted.
3. Lead spacing is measured where the leads emerge from the package.
4. Specifications are subject to change without notice.

Selection Guide

| Part No. | Dice | Lens Type | Iv (mcd) [2] @ 10mA | | Viewing Angle [1] |
|-----------|------------------|--------------|------------------------|------|----------------------|
| | | | Min. | Typ. | 2 θ 1/2 |
| L-934HDLK | BRIGHT RED (GaP) | RED DIFFUSED | 1 | 3 | 60° |

Notes:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
2. Luminous intensity/ luminous flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

| Symbol | Parameter | Device | Typ. | Max. | Units | Test Conditions |
|-------------------|--------------------------|------------|------|------|-------|-----------------|
| λ _{peak} | Peak Wavelength | Bright Red | 700 | | nm | IF=20mA |
| λD [1] | Dominant Wavelength | Bright Red | 660 | | nm | IF=20mA |
| Δλ1/2 | Spectral Line Half-width | Bright Red | 45 | | nm | IF=20mA |
| C | Capacitance | Bright Red | 40 | | pF | VF=0V;f=1MHz |
| VF [2] | Forward Voltage | Bright Red | 2.25 | 2.5 | V | IF=20mA |
| IR | Reverse Current | Bright Red | | 10 | uA | VR = 5V |

Notes:

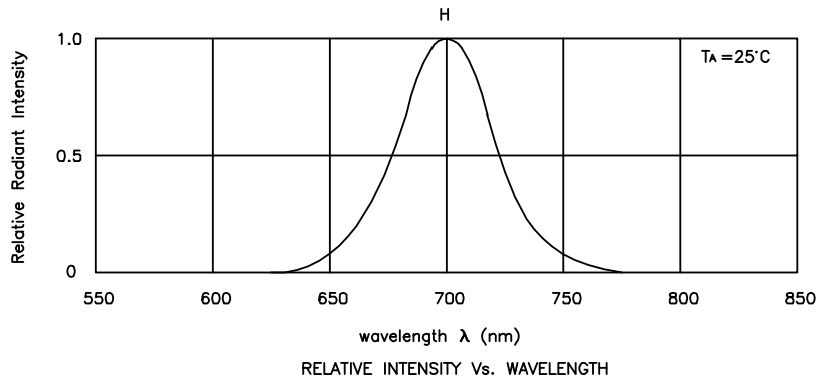
1. Wavelength: +/-1nm
2. Forward Voltage: +/-0.1V

Absolute Maximum Ratings at TA=25°C

| Parameter | Bright Red | Units |
|-------------------------------|---------------------|-------|
| Power dissipation | 120 | mW |
| DC Forward Current | 25 | mA |
| Peak Forward Current [1] | 130 | mA |
| Reverse Voltage | 5 | V |
| Operating/Storage Temperature | -40°C To +85°C | |
| Lead Solder Temperature [2] | 260°C For 3 Seconds | |
| Lead Solder Temperature [3] | 260°C For 5 Seconds | |

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.
3. 5mm below package base.



Bright Red

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