

L-934HDLK BRIGHT RED

L-934GDLK GREEN

L-934YDLK YELLOW

Features

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

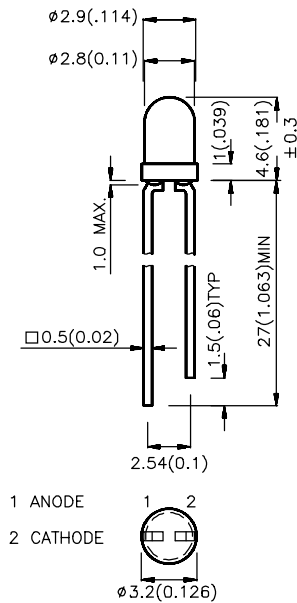
Description

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

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

The Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow Light Emitting Diode.

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25 (0.01") unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subjected to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 10 mA		Viewing Angle
			Min.	Typ.	2θ1/2
L-934HDLK	BRIGHT RED (GaP)	RED DIFFUSED	1.3	3	60°
L-934GDLK	GREEN (GaP)	GREEN DIFFUSED	8	15	60°
L-934YDLK	YELLOW (GaAsP/GaP)	YELLOW DIFFUSED	8	15	60°

Note:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at T_A=25°C

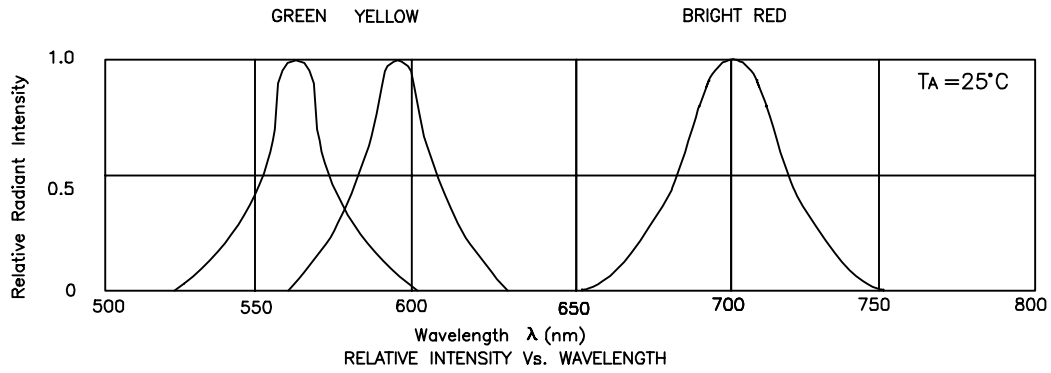
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Bright Red Green Yellow	700 565 590		nm	IF=20mA
Δλ _{1/2}	Spectral Line Halfwidth	Bright Red Green Yellow	45 30 35		nm	IF=20mA
C	Capacitance	Bright Red Green Yellow	40 45 10		pF	VF=0V;f=1MHz
V _F	Forward Voltage	Bright Red Green Yellow	2.0 2.2 2.1	2.5 2.5 2.5	V	IF=20mA
I _R	Reverse Current	All	10		μA	VR = 5V

Absolute Maximum Ratings at T_A=25°C

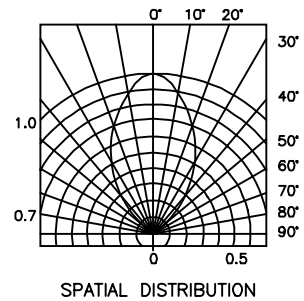
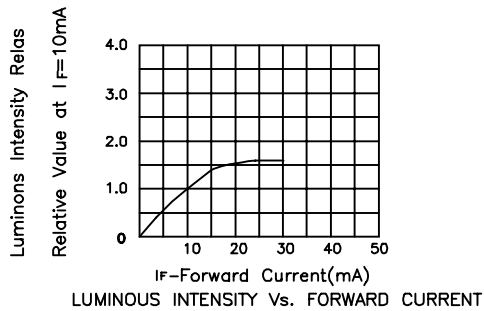
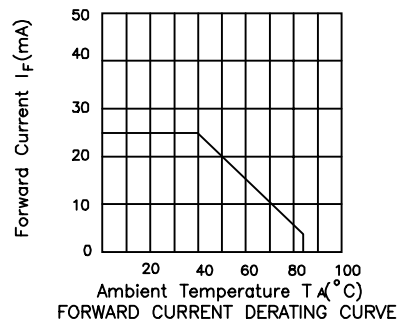
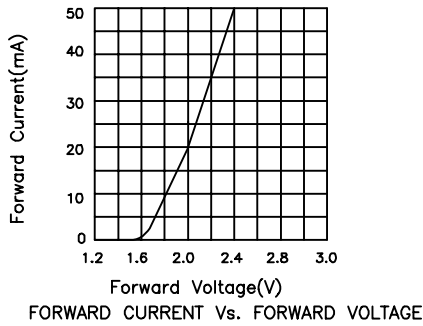
Parameter	Bright Red	Green	Yellow	Units
Power dissipation	120	105	105	mW
DC Forward Current	25	25	30	mA
Peak Forward Current [1]	150	150	150	mA
Reverse Voltage	5	5	5	V
Operating/Storage Temperature	-40°C To +85°C			
Lead Soldering Temperature [2]	260°C For 5 Seconds			

Notes:

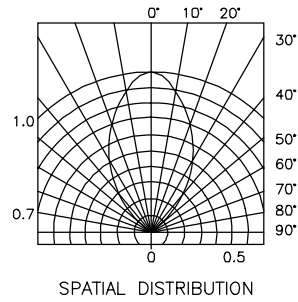
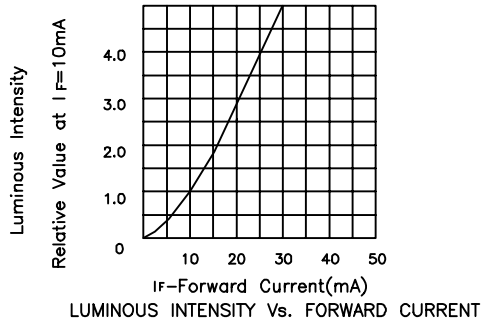
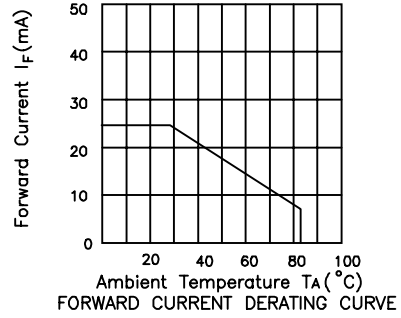
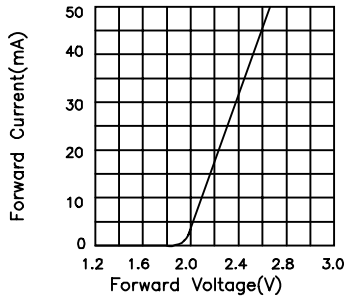
- 1/10 Duty Cycle, 0.1ms Pulse Width.
- 4mm below package base.



Bright Red L-934HDLK



Green L-934GDLK



Yellow L-934YDLK

