

L-934EW/1YD-5V

YELLOW

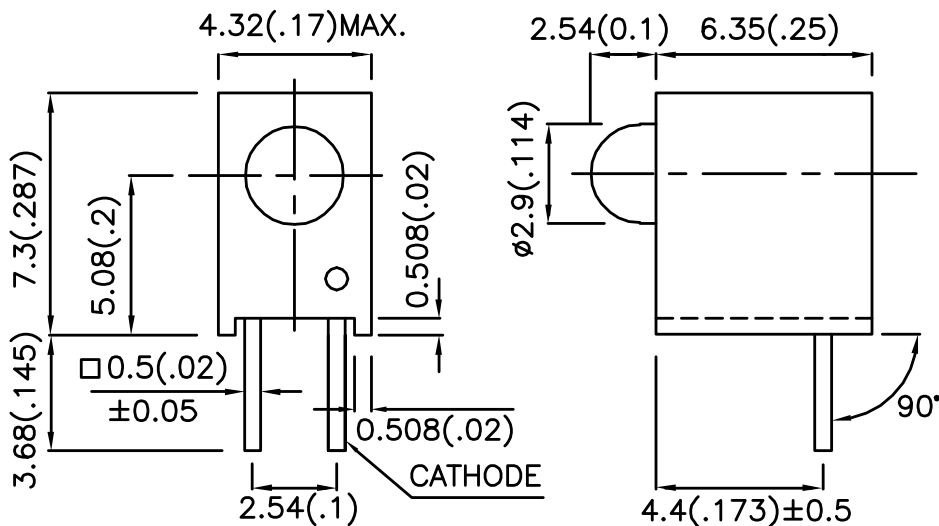
Features

- I.C. COMPATIBLE.
- BLACK CASE ENHANCES CONTRAST RATIO.
- WIDE VIEWING ANGLE.
- HIGH RELIABILITY LIFE MEASURED IN YEARS.
- UL RATING : 94V-0.
- HOUSING MATERIAL: TYPE 66 NYLON.
- 5V INTERNAL RESISITOR.
- RoHS COMPLIANT.

Description

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 $\pm 0.25 (0.01")$ 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) V=5V		Viewing Angle
			Min.	Typ.	2 θ 1/2
L-934EW/1YD-5V	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 TA=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Yellow	590		nm	VF=5V
λ_D	Dominant Wavelength	Yellow	588		nm	VF=5V
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Yellow	35		nm	VF=5V
I_F	Forward Current	Yellow	13	17.5	mA	VF=5V
I_R	Reverse Current	Yellow		10	uA	VR= 5V

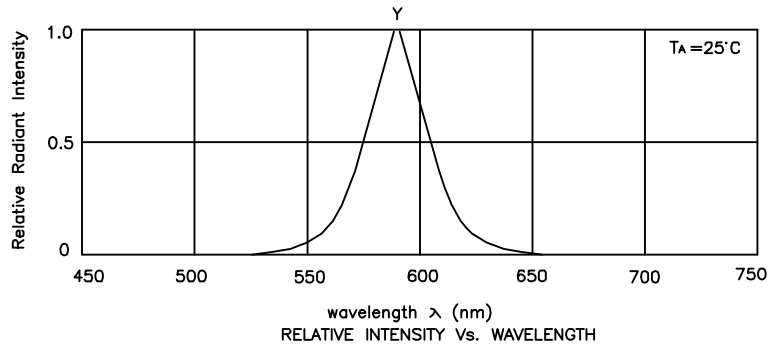
Absolute Maximum Ratings at TA=25°C

Parameter	Yellow	Units
Power dissipation	85	mW
Forward Voltage	6	V
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	
Lead Solder Temperature[1]	260°C For 3 Seconds	
Lead Solder Temperature[2]	260°C For 5 Seconds	

Notes:

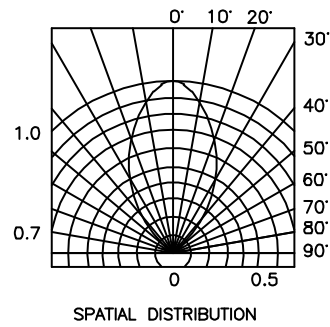
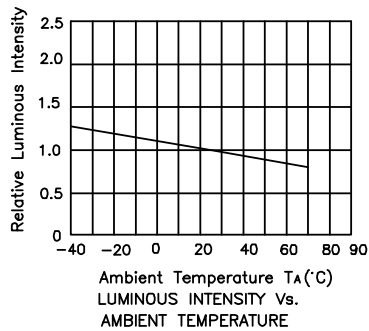
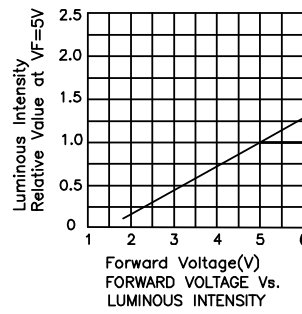
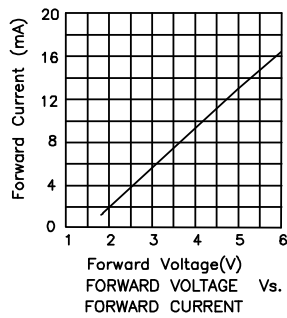
1. 2mm below package base.

2. 5mm below package base.



Yellow

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Remarks:

If special sorting is required (e.g. binning based on luminous intensity or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: $\pm 1\text{nm}$
2. Luminous Intensity: $\pm 15\%$

Note: Accuracy may depend on the sorting parameters.