

T-1 (3mm) RIGHT ANGLE LED INDICATORS

L130WDT/EGW HIGH EFFICIENCY RED/GREEN
L130WDT/EYW HIGHEFFICIENCY RED/YELLOW
L130WDT/GYW GREEN/YELLOW

Features

- •PRE-TRIMMED LEADS FOR PC BOARD MOUNTING.
- •3 LEADS WITH COMMON CATHODE.
- •I.C. COMPATIBLE.
- •BLACK CASE ENHANCES CONTRAST RATIO.
- •HIGH RELIABILITY.
- •UL RATING: 94V-0.
- •HOUSING MATERIAL: TYPE 66 NYLON.

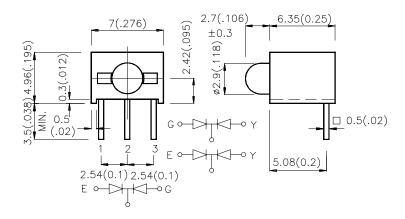
Description

The High Efficiency Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange 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 $\pm 0.25 (0.01\mbox{"})$ unless otherwise noted.
- $3. \, \mbox{Lead}$ spacing is measured where the lead emerge package.
- 4. Specifications are subject to change without notice.

SPEC NO: CDA0581 APPROVED:J.LU REV NO: V.1 CHECKED:

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Selection Guide

Part No.	Dice	Lens Type	lv (mcd) @ 20 mA		Viewing Angle
			Min.	Тур.	201/2
L130WDT/EGW	HIGH EFFICIENCY RED (GaAsP/GaP)	WHITE DIFFUSED	8	30	- 60°
	GREEN (GaP)	WHILE DIFF 03LD	8	25	
L130WDT/EYW	HIGH EFFICIENCY RED (GaAsP/GaP)	- WHITE DIFFUSED	8	30	- 60°
	YELLOW (GaAsP/GaP)	WHILE DIFF 03LD	8	20	
L130WDT/GYW	GREEN (GaP)	- WHITE DIFFUSED	8	25	- 60°
	YELLOW (GaAsP/GaP)	Will Diroged	8	20	

Note

Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions	
λpeak	Peak Wavelength	High Efficiency Red Green Yellow	627 565 590		nm	IF=20mA	
λD	Dominate Wavelength	High Efficiency Red Green Yellow	625 568 588		nm	IF=20mA	
Δλ1/2	Spectral Line Halfwidth	High Efficiency Red Green Yellow	45 30 35		nm	IF=20mA	
С	Capacitance	High Efficiency Red Green Yellow	15 15 20		pF	VF=0V;f=1MHz	
V _F	Forward Voltage	High Efficiency Red Green Yellow	2.0 2.2 2.1	2.5 2.5 2.5	V	IF=20mA	
l _R	Reverse Current	All		10	uA	VR = 5V	

Absolute Maximum Ratings at T_A=25°C

Parameter	High Efficiency Red	Green	Yellow	Units		
Power dissipation	105	105	105	mW		
DC Forward Current	30	25	30	mA		
Peak Forward Current [1]	160	140	140	mA		
Reverse Voltage	5	5	5	V		
Operating/Storage Temperature	-40°C To +85°C					
Lead Solder Temperature [2]	Solder Temperature [2] 260°C For 5 Seconds					

Notes

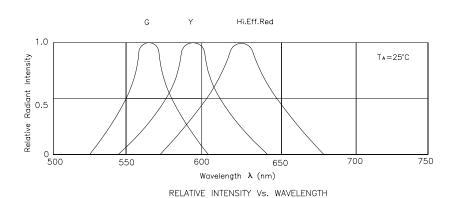
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^{1.} θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

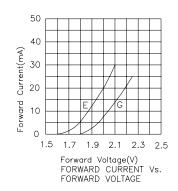
^{1. 1/0} Duty Cycle, 0.1ms Pulse Width.

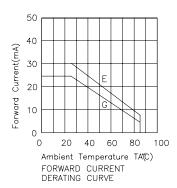
^{2. 4}mm below package base.

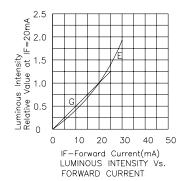


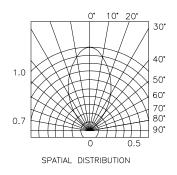


High Efficiency Red / Green L130WDT/EGW





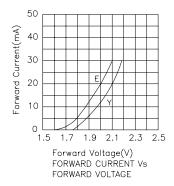


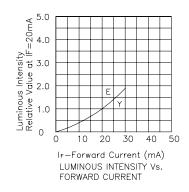


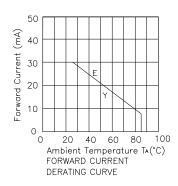
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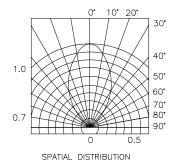
Kingbright

High Efficiency Red / Yellow L130WDT/EYW

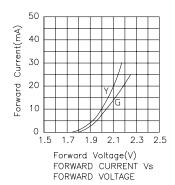


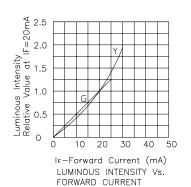


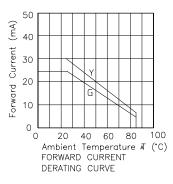


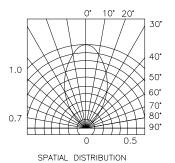


Green / Yellow L130WDT/GYW









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