

T-1 (3mm) BI-LEVEL LED INDICATOR

Part Number: L-937EB/2LEGW-RY

High Efficiency Red Green

Features

- Pre-trimmed leads for pc mounting.
- Black case enhances contrast ratio.
- High reliability life measured in years.
- Housing UL rating:94V-0.
- Housing material: type 66 nylon.
- Low current IF=2mA operating.
- RoHS compliant.

Description

 $(0.126) \pm 0.3$

ø2.9(0.114)

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.

Package Dimensions





9.02(0.355

Notes:

1. All dimensions are in millimeters (inches).

2. Tolerance is ±0.25(0.01") unless otherwise noted.

Lead spacing is measured where the leads emerge from the package.
 The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

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to

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Part No.	Dice	Lens Type	lv (mcd) [2] @ 2mA		Viewing Angle [1]
			Min.	Тур.	201/2
	List Efficiency Ded (Oc AsD/OcD)		0.3	0.9	
	High Elliciency Red (GaAse/GaP)		*0.2	*0.5	
L-937ED/2LEGW-RY			0.3	0.9	60
	Green (GaP)		*0.3	*0.9	

Notes:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 of the optical peak value.
2. Luminous intensity/ luminous Flux: +/-15%.
* Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	High Efficiency Red Green	627 565		nm	IF=2mA
λD [1]	Dominant Wavelength	High Efficiency Red Green	617 568		nm	IF=2mA
Δλ1/2	Spectral Line Half-width	High Efficiency Red Green	45 30		nm	IF=2mA
С	Capacitance	High Efficiency Red Green	15 15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	High Efficiency Red Green	1.7 1.9	2.5 2.5	V	IF=2mA

Notes: 1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V. 3. Wavelength value is traceable to the CIE127-2007 compliant national standards.

Absolute	Maximum	Ratings	at TA=25°C
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Parameter	High Efficiency Red	Green	Units	
Power dissipation	75	62.5	mW	
DC Forward Current	30	25	mA	
Peak Forward Current [1]	160	140	mA	
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.



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