

2x3mm QUAD-LEVEL LED INDICATORS

L-914CK/4H BRIGHT RED L-914CK/4G GREEN L-914CK/4I HIGH EFFICIENCY RED L-914CK/4Y YELLOW

Features

- ●2 x 3mm LED
- •QUAD-LEVEL DESIGN, SAVE BIARD SPACE.
- •DIFFERENT COLOR COMBINATION AVAULABLE
- •BLACK CASE ENHANCES CONTRAST.

Description

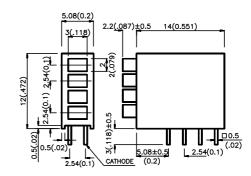
The Bright Red source color devices are made with Gallium Phosphide Red Light Emitting Diode.

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

The High Efficiency Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange 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.	Max.	2q1/2
L-914CK/4HD	BRIGHT RED (GaP)	RED DIFFUSED	0.2	0.5	100°
L-914CK/4ID	HIGH EFFICIENCY RED (GaAsP/GaP)	RED DIFFUSED	2	12.5	100°
L-914CK/4GD	GREEN (GaP)	GREEN DIFFUSED	2	8	100°
L-914CK/4YD	YELLOW (GaAsP/GaP)	YELLOW DIFFUSED	2	8	100°

1. θ 1/2 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	Тур.	Max.	Units	Test Conditions	
λpeak	Peak Wavelength	Bright Red High Efficiency Red Green Yellow	700 625 565 590		nm	IF=20mA	
Δλ1/2	Spectral Line Halfwidth	Bright Red High Efficiency Red Green Yellow	45 45 30 35		nm	IF=20mA	
С	Capacitance	Bright Red High Efficiency Red Green Yellow	40 12 45 10		pF	VF=0V;f=1MHz	
V _F	Forward Voltage	Bright Red High Efficiency Red Green Yellow	2.0 2.0 2.2 2.1	2.5 2.5 2.5 2.5	V	IF=20mA	
I _R	Reverse Current	All	10		uA	VR = 5V	

Absolute Maximum Ratings at T_A=25°C

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

Notes: 1. 1/10 Duty Cycle, 0.1ms Pulse Width. 2. 4mm below package base.

