

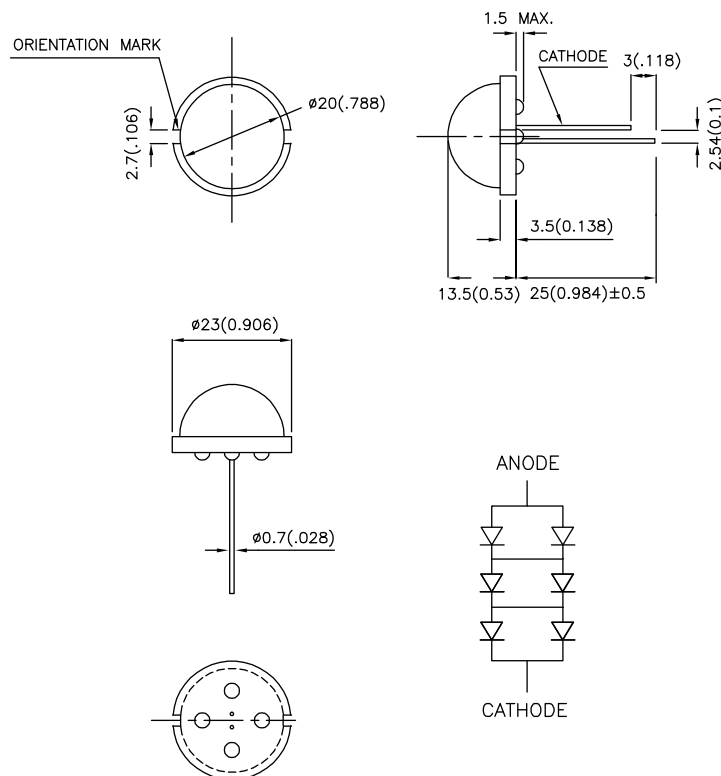
Features

- 2 PINS.
- HIGH LUMINOUS INTENSITY.
- LOW POWER CONSUMPTION.
- WIDE VIEWING ANGLE.
- CATEGORIZED FOR LUMINOUS INTENSITY.
- EXCELLENT ON/OFF CONTRAST.
- EASY MOUNTING ON P.C. BOARD OR SOCKETS.
- SOLID STATE RELIABILITY.
- RoHS COMPLIANT.

Description

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

Package Dimensions & Internal Circuit Diagram



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 lead emerge from the package.
4. Specifications are subject to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) [2] @ 10mA		Viewing Angle [1]
			Min.	Typ.	2θ1/2
DLC2/6GD	GREEN (GaP)	GREEN DIFFUSED	18	53.3	120°

Notes:

1. $\theta 1/2$ is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
2. Luminous Intensity / Luminous Flux: +/-15%.

Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Green	565		nm	I _F =10mA
λ_D [1]	Dominant Wavelength	Green	568		nm	I _F =10mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Green	30		nm	I _F =10mA
C	Capacitance	Green	15		pF	V _F =0V; f=1MHz
V _F [2]	Forward Voltage	Green	6.0	7.5	V	I _F =10mA
I _R	Reverse Current	Green		20	uA	V _R = 15V

Notes:

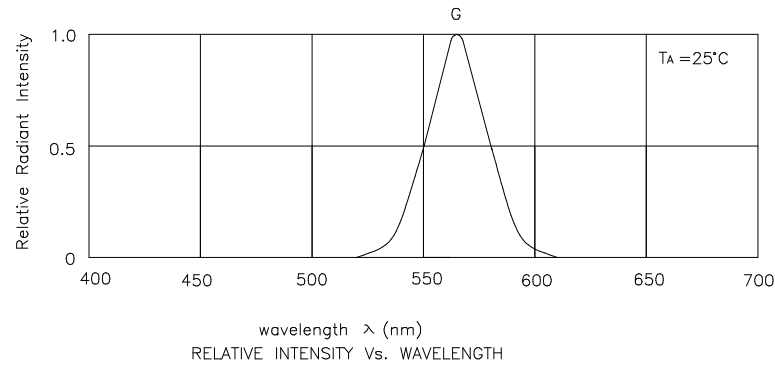
1. Wavelength: +/-1nm.
2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at T_A=25°C

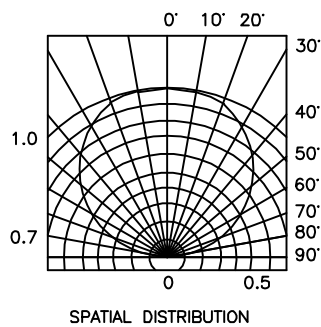
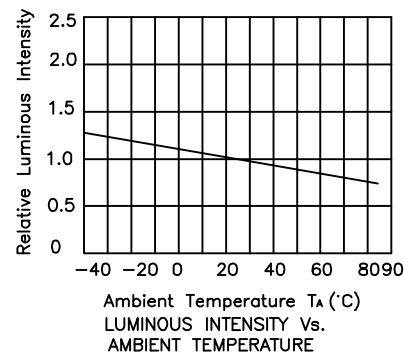
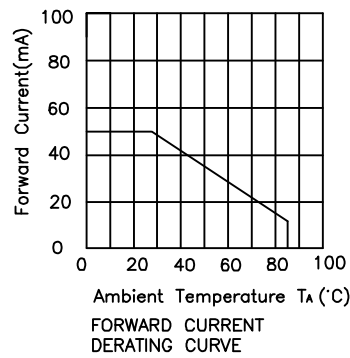
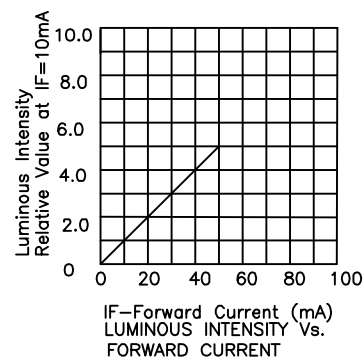
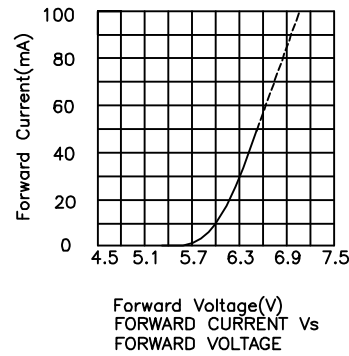
Parameter	Green	Units
Power dissipation	375	mW
Forward Current [1]	50	mA
Reverse Voltage	15	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 5 Seconds	

Notes:

1. The chips are three in series and two parallel.
2. 2mm below package base.

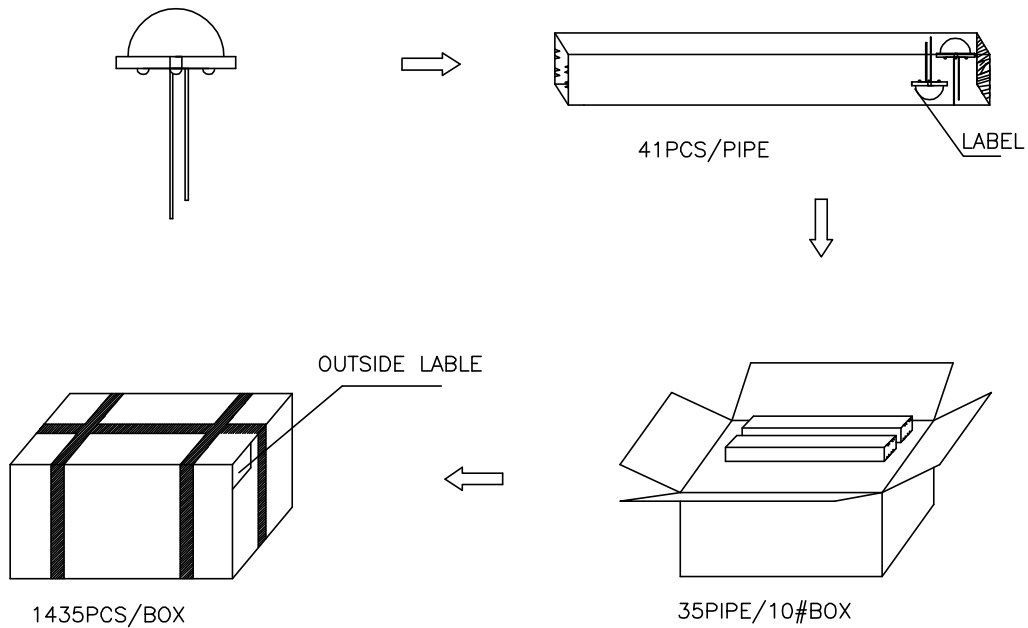


Green DLC2/6GD

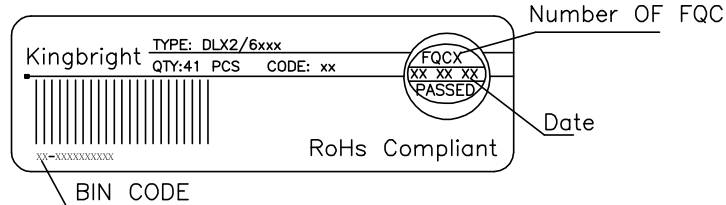


PACKING & LABEL SPECIFICATIONS

DLC2/6GD



Inside LABEL Paste On The IC-pipe



Outside LABEL Paste On The Box

