

20mm BIG LAMP

Part Number: DLC2/6GD

GREEN

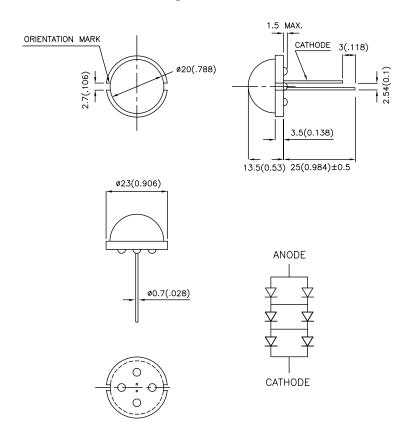
Features

- •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.
- Specifications are subject to change without notice.





SPEC NO: DSAB6878 REV NO: V.8 DATE: MAY/04/2007 PAGE: 1 OF 4
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Selection Guide

Part No.	Dice	Lens Type	lv (mcd) [2] @ 10mA		Viewing Angle [1]
			Min.	Тур.	201/2
DLC2/6GD	GREEN (GaP)	GREEN DIFFUSED	18	53.3	120°

- 1. 01/2 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	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Green	565		nm	IF=10mA
λD [1]	Dominant Wavelength	Green	568		nm	IF=10mA
Δλ1/2	Spectral Line Half-width	Green	30		nm	IF=10mA
С	Capacitance	Green	15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Green	6.0	7.5	V	IF=10mA
lr	Reverse Current	Green		20	uA	VR = 15V

Notes:

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

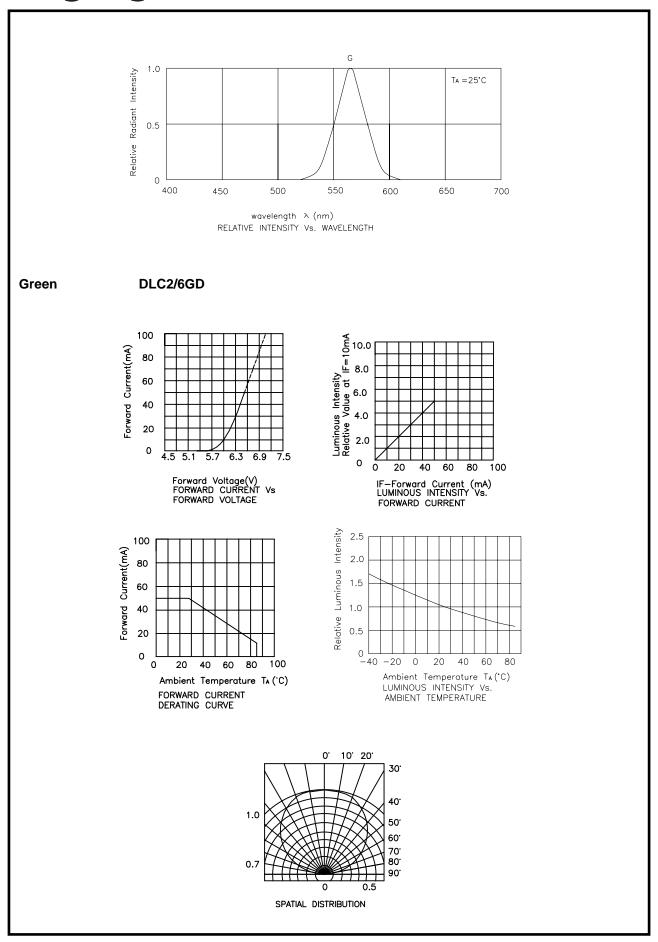
Absolute Maximum Ratings at Ta=25°C

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 3~5 Seconds		

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

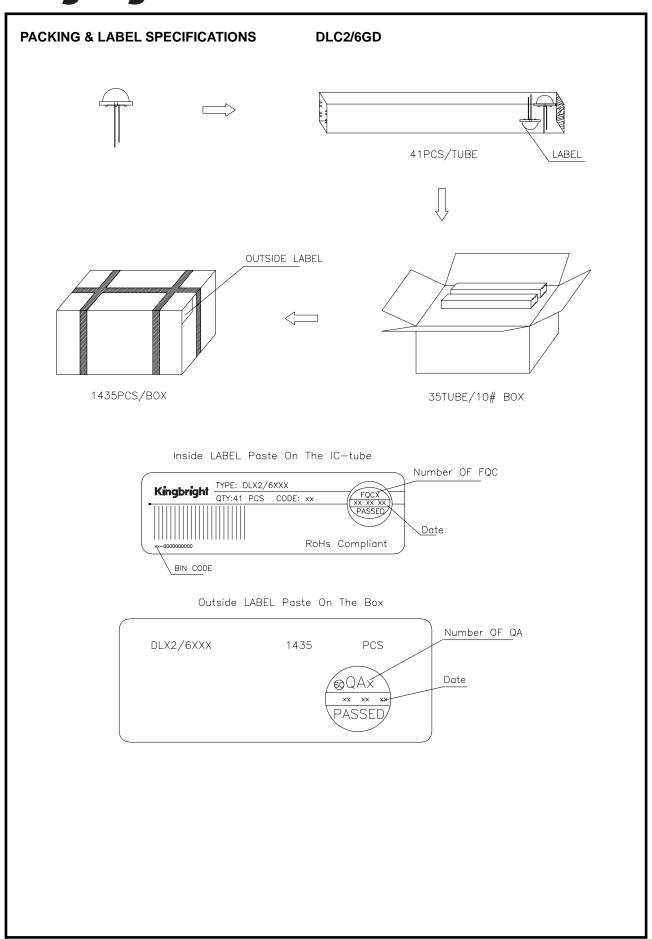
DATE: MAY/04/2007 SPEC NO: DSAB6878 **REV NO: V.8** PAGE: 2 OF 4 APPROVED: WYNEC **CHECKED: Allen Liu** DRAWN: S.J.LIU ERP:1338000069

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SPEC NO: DSAB6878 REV NO: V.8 DATE: MAY/04/2007 PAGE: 3 OF 4
APPROVED: WYNEC CHECKED: Allen Liu DRAWN: S.J.LIU ERP:1338000069

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SPEC NO: DSAB6878 APPROVED: WYNEC REV NO: V.8 CHECKED: Allen Liu DATE: MAY/04/2007 DRAWN: S.J.LIU PAGE: 4 OF 4 ERP:1338000069