

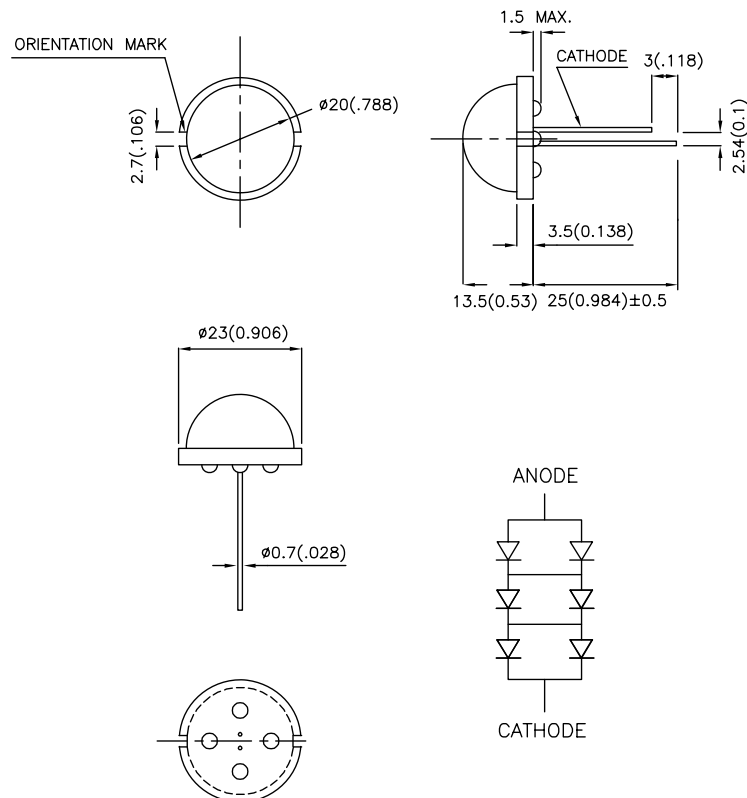
Features

- 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 Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow 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 leads 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
DLC2/6YD	YELLOW (GaAsP/GaP)	YELLOW DIFFUSED	7	37.18	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	Yellow	590		nm	I _F =10mA
λ_D [1]	Dominant Wavelength	Yellow	588		nm	I _F =10mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Yellow	35		nm	I _F =10mA
C	Capacitance	Yellow	20		pF	V _F =0V; f=1MHz
V _F [2]	Forward Voltage	Yellow	5.85	7.5	V	I _F =10mA
I _R	Reverse Current	Yellow		20	uA	V _R = 15V

Notes:

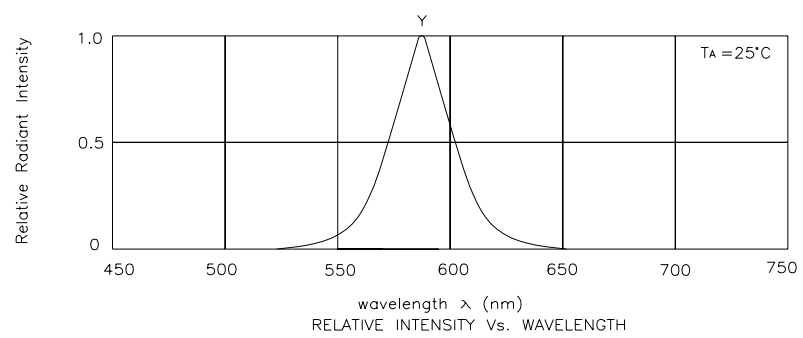
1. Wavelength: +/-1nm.
2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at T_A=25°C

Parameter	Yellow	Units
Power dissipation	450	mW
DC Forward Current[1]	60	mA
Reverse Voltage	15	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 3~5 Seconds	

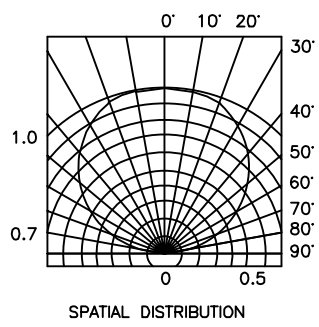
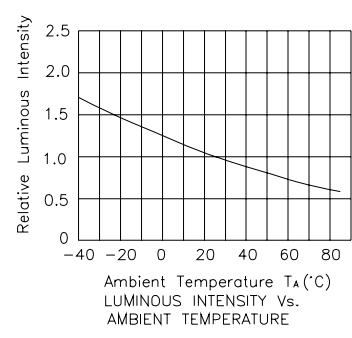
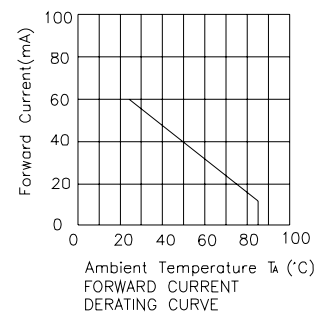
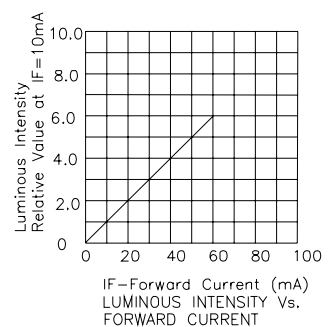
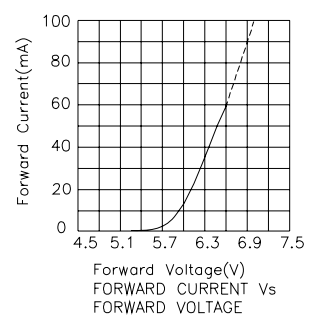
Notes:

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



Yellow

DLC2/6YD



PACKING & LABEL SPECIFICATIONS

DLC2/6YD

