

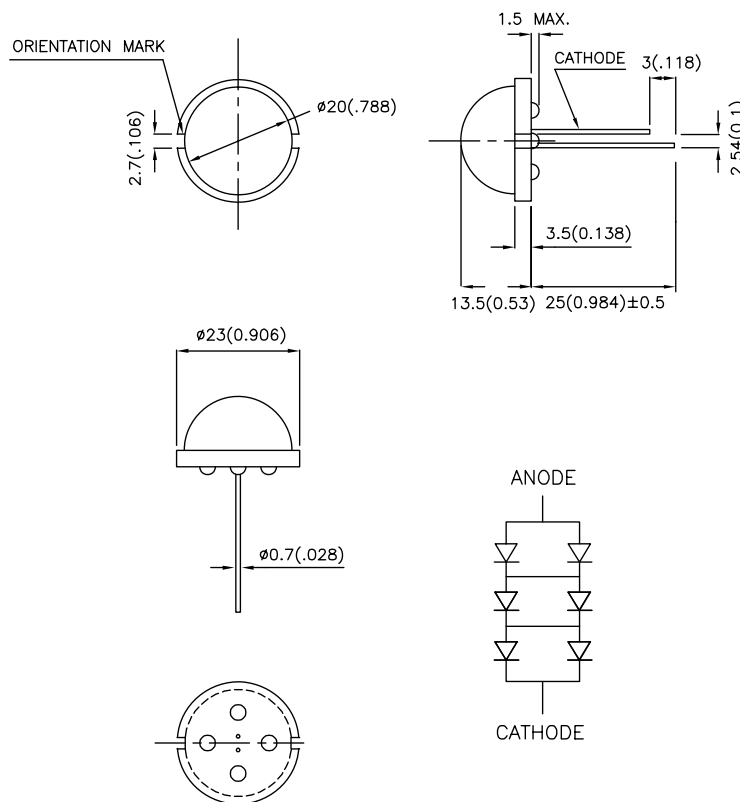
Features

- 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 Orange source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange 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] @ 10 mA		Viewing Angle [1]
			Min.	Typ.	2θ1/2
DLC2/6ED	ORANGE (GaAsP/GaP)	ORANGE DIFFUSED	8	54.04	120°

Notes:

1. θ1/2 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 TA=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Orange	627		nm	I _F =10mA
λ _D [1]	Dominant Wavelength	Orange	625		nm	I _F =10mA
Δλ _{1/2}	Spectral Line Half-width	Orange	45		nm	I _F =10mA
C	Capacitance	Orange	15		pF	V _F =0V; f=1MHz
V _F [2]	Forward Voltage	Orange	5.7	7.5	V	I _F =10mA
I _R	Reverse Current	Orange		20	uA	V _R = 15V

Notes:

1. Wavelength: +/-1nm.

2. Forward Voltage: +/-0.1V.

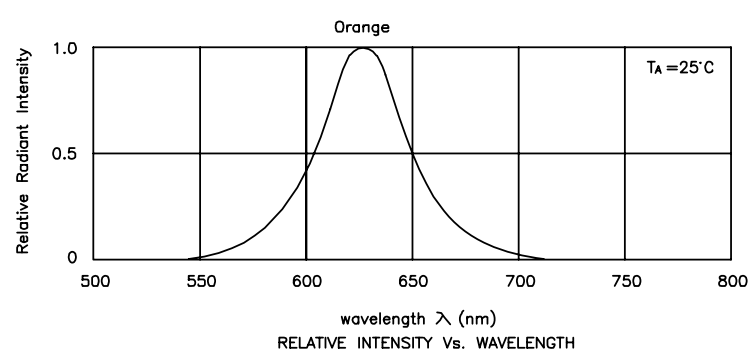
Absolute Maximum Ratings at TA=25°C

Parameter	Orange	Units
Power dissipation	450	mW
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:

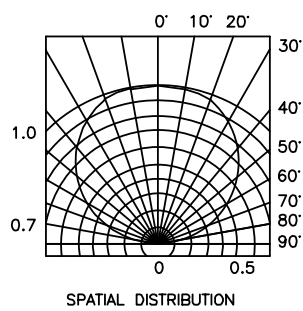
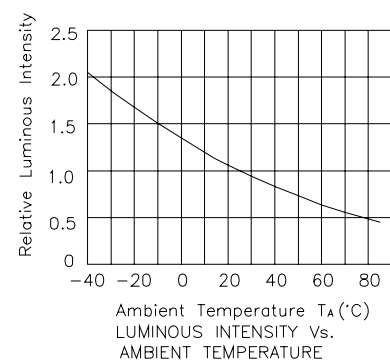
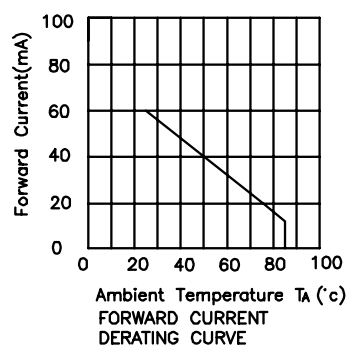
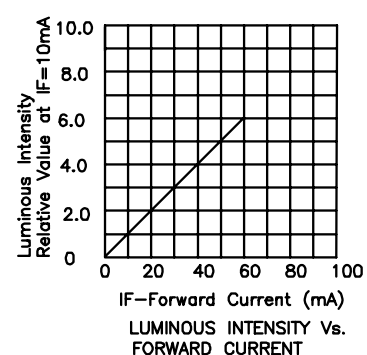
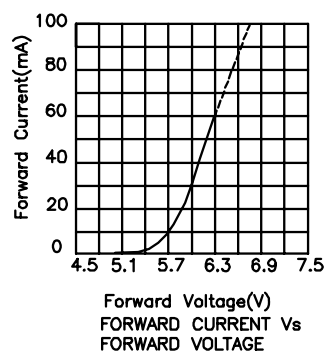
1. The chips are three in series and two parallel.

2. 2mm below package base.



Orange

DLC2/6ED



PACKING & LABEL SPECIFICATIONS

DLC2/6ED

