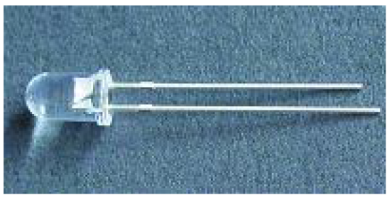
Distributed by Conrad Electronic SE • Klaus-Conrad-Str. 1 • D-92240 Hirschau

Datasheet

Item no. 1577386

TECHNOLOGY DATA SHEET & SPECIFICATIONS



Features

- High efficiency
- Low Power consumption
- General purpose leads
- Selected minimum intensities
- Available on tape and reel
- Pb free

Descriptions

- The series is specially designed for applications requiring higher brightness
- The LED lamps are available with different colors, intensities, epoxy colors, etc
- Superior performance in outdoor environment

Usage Notes:

- The ultra bright LED is an electrostatic insensitive device, so static electricity and surge will damage the LED. It is required to wear a wrist-band when handling the LED. All device, equipment, machinery, desk and ground must be properly grounded
- When using LED, it must use a protective resistor in series with DC current about 20mA

Applications

- Status indicators
- Commercial use
- Advertising Signs
- Back lighting

Distributed by Conrad Electronic SE • Klaus-Conrad-Str. 1 • D-92240 Hirschau

Datasheet

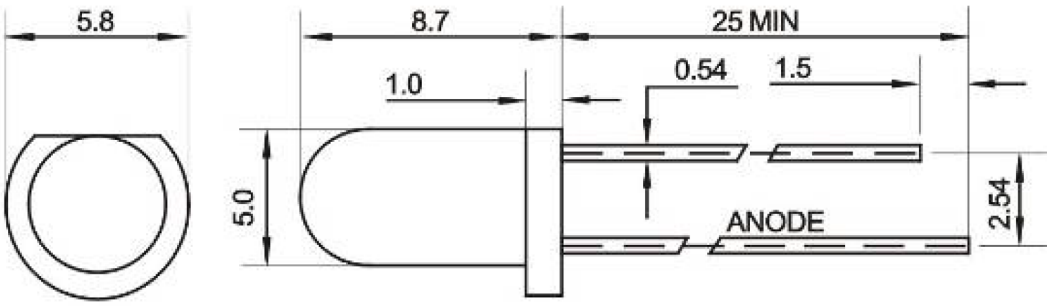
Item no. 1577386

TECHNOLOGY DATA SHEET & SPECIFICATIONS

Device Selection Guide

Chip		Lens Color
Material	Emitted Color	
InGaN	White	Water clear

Package Dimensions



UNIT:mm

Notes:

˙Other dimensions are in millimeters, tolerance is 0.25mm except being specified.

˙Protruded resin under flange is 1.5mm Max LED.

˙Bare copper alloy is exposed at tie-bar portion after cutting.

Datasheet

Item no. 1577386

TECHNOLOGY DATA SHEET & SPECIFICATIONS

Electro-Optical Characteristics (Ta=25□)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_V	10000	---	15000	mcd	IF=20mA(Note 1)
Viewing Angle	$2\theta_{1/2}$	20	---	25	Deg	(Note 2)
Color Temperature	CT	5500	---	6500	K	IF=20mA
Spectral Line Half-Width	△λ	25	30	35	nm	IF=20mA
Forward Voltage	V_F	2.9	---	3.5	V	IF=20mA
Reverse Current	I_R	---	---	10	μA	VR=5V

Note:

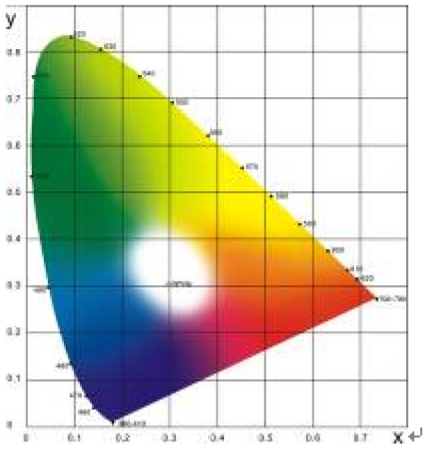
1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. θ1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.

Datasheet

Item no. 1577386

TECHNOLOGY DATA SHEET & SPECIFICATIONS

Typical Electro-Optical Characteristics Curves



Relative Intensity VS. Ambient Temp