

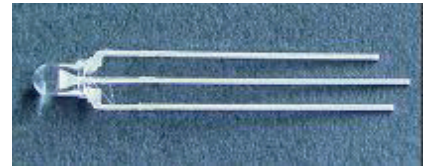
Datasheet

Item no. 1577415

TECHNOLOGY DATA SHEET & SPECIFICATIONS

Features

- *Two chips are matched for uniform light output,wide viewing angle
- *Long life-solid state reliability
- *I.C.compatible/Low power consumption
- *Pb free



Descriptions

- *The LED lamps contain two integral chips and is available as both bicolor and bipolar types
- *The Bright Red and Green light is emitted by diodes of GaAsP/GaP and GaAsP/GaP respectively
- *Type of bipolar lamps are both White Diffused and Color Diffused while the bicolor are White Diffused

Usage Notes:

- *Surge will damage the LED
- *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

Datasheet

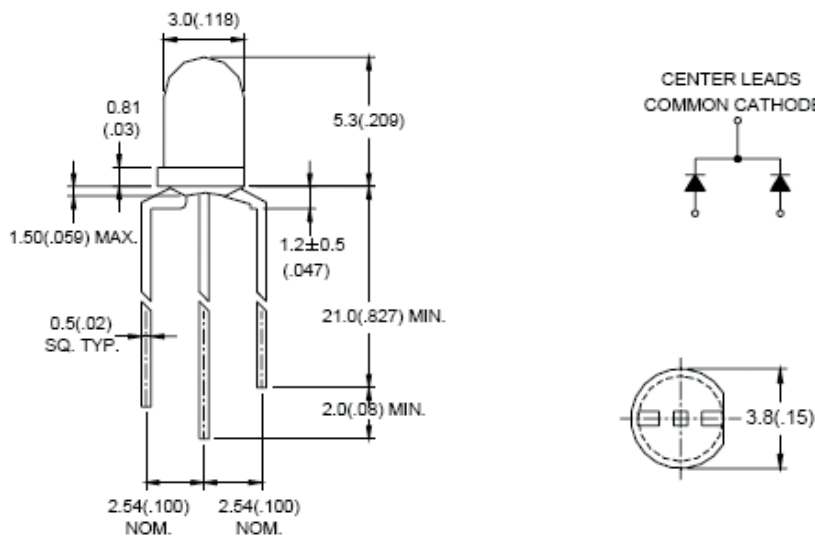
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Device Selection Guide

	Chip		Lens Color
	Material	Emitted Color	
	AlGaInP	Red	Water clear
	InGaN	Blue	

Package Dimensions



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.

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Electro-Optical Characteristics ($T_a=25^\circ\text{C}$)

Parameter	Symbol	Device	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v	Red	1000	---	1500	mcd	IF=20mA
		Blue	1200	---	2000		
Viewing Angle	2θ _{1/2}	Red	---	35	---	Deg	(Note 1)
		Blue					
Peak Emission Wavelength	λ _p	Red	620	---	635	nm	IF=20mA
		Blue	460	---	470		
Spectral Line Half-Width	Δλ	Red	15	20	25	nm	IF=20mA
		Blue	25	30	35		
Forward Voltage	V _F	Red	1.9	---	2.3	V	IF=20mA
		Blue	2.9	---	3.3		
Reverse Current	I _R	Red	---	---	10	μA	VR=5V
		Blue	---	---			

Note:

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

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Typical Electro-Optical Characteristics Curves

