

L-7113UVC ULTRAVIOLET

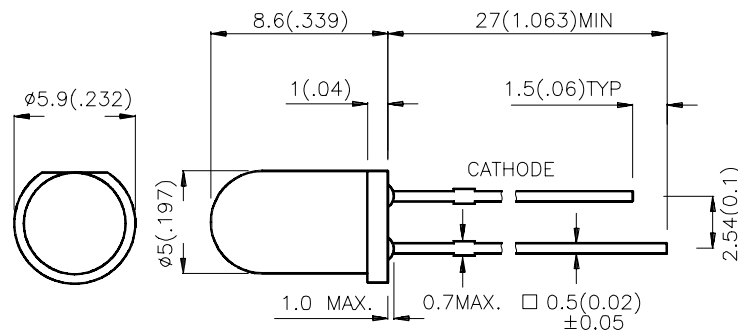
Features

- HIGH PERFORMANCE.
- SUITABLE FOR AUTOMOTIVE DASHBOARD LIGHTING,WHITE LEDS AND BACKLIGHTING.

Description

The source color devices are made with InGaN on SiC Light Emitting Diode.

Package Dimensions



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 package.
4. Specifications are subject to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	2θ1/2
L-7113UVC	ULTRAVIOLET(InGaN)	WATER CLEAR	70	160	20°

Note:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at T_A=25°C

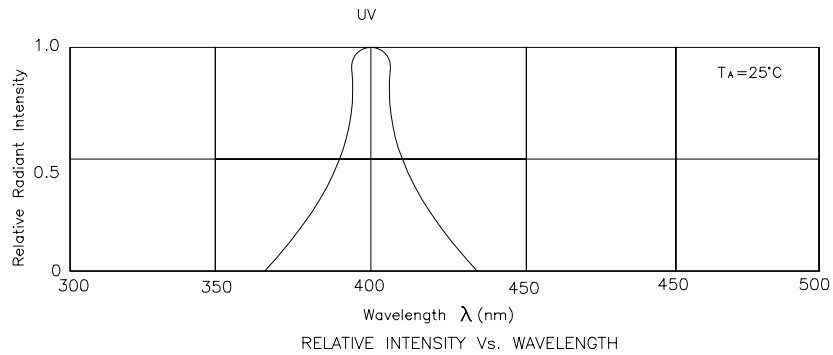
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Ultraviolet	400		nm	IF=20mA
Δλ1/2	Spectral Line Halfwidth	Ultraviolet	20		nm	IF=20mA
C	Capacitance	Ultraviolet	30		pF	VF=0V;f=1MHz
V _F	Forward Voltage	Ultraviolet	3.8	4.2	V	IF=20mA
I _R	Reverse Current	Ultraviolet		10	uA	VR = 5V

Absolute Maximum Ratings at T_A=25°C

Parameter	Ultraviolet	Units
Power dissipation	100	mW
DC Forward Current	30	mA
Peak Forward Current [1]	100	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 5 Seconds	

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 4mm below package base.



Ultraviolet L-7113UVC

