

W7524PWC/H WHITE

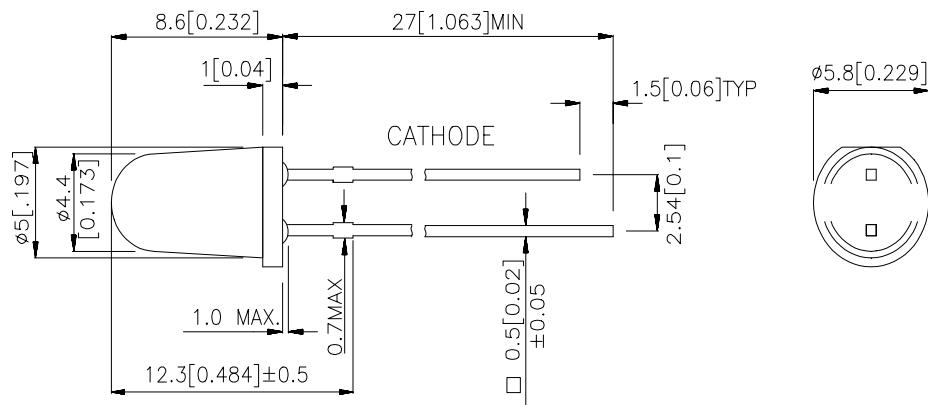
## Features

- LOW POWER CONSUMPTION.
  - POPULAR T-1 3/4 DIAMETER PACKAGE.
  - GENERAL PURPOSE LEADS.
  - RELIABLE AND RUGGED.
  - LONG LIFE - SOLID STATE RELIABILITY.

## Description

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

## Package Dimensions



## Notes:

- 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	I <sub>V</sub> (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	
W7524PWC/H	WHITE ( InGaN)	WATER CLEAR	3800	7500	12°

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<sub>A</sub>=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
V <sub>F</sub>	Forward Voltage	White	3.7	4.3	V	I <sub>F</sub> =20mA
I <sub>R</sub>	Reverse Current	White		10	uA	V <sub>R</sub> = 5V
X	Chromaticity Coordinates	White	0.33			
Y			0.34			
C	Capacitance	White	110		pF	V <sub>F</sub> =0V, f =1MHz

## Absolute Maximum Ratings at T<sub>A</sub>=25°C

Parameter	White	Units
Power dissipation	108	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. 2mm below package base.

White

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