

W7524SYC/H SUPER BRIGHT YELLOW

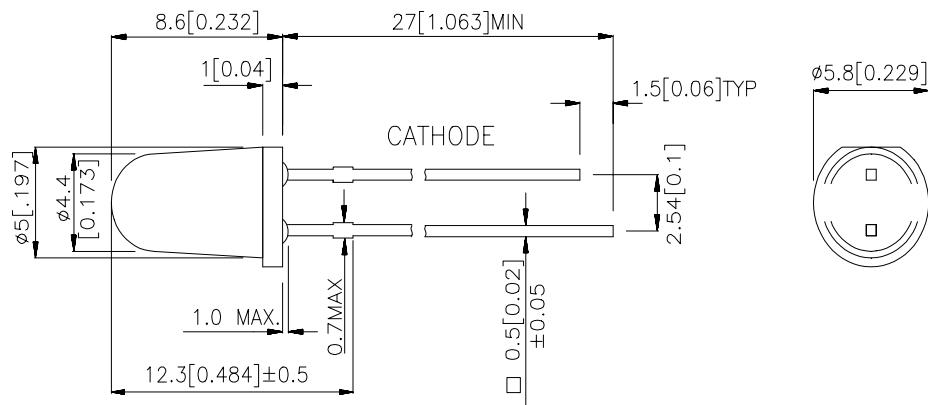
## Features

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

## Description

This devices are made with TS InGaAlP.

## 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.	
W7524SYC/H	SUPER BRIGHT YELLOW (InGaAlP)	WATER CLEAR	1800	2800	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

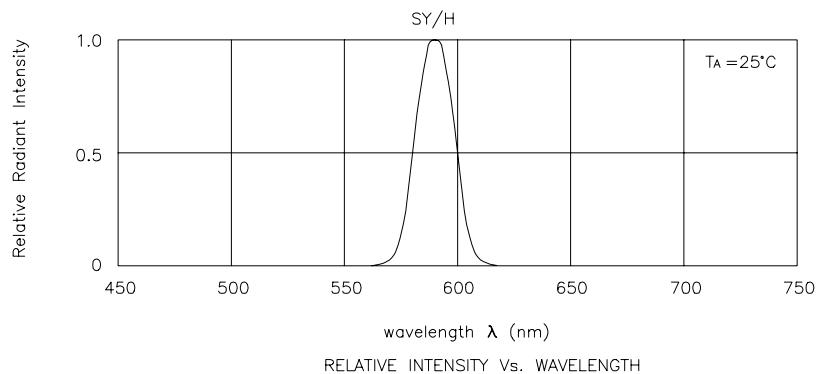
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ <sub>peak</sub>	Peak Wavelength	Super Bright Yellow	590		nm	I <sub>F</sub> =20mA
λ D	Dominate Wavelength	Super Bright Yellow	589		nm	I <sub>F</sub> =20mA
Δλ1/2	Spectral Line Half-width	Super Bright Yellow	20		nm	I <sub>F</sub> =20mA
C	Capacitance	Super Bright Yellow	45		pF	V <sub>F</sub> =0V;f=1MHz
V <sub>F</sub>	Forward Voltage	Super Bright Yellow	2.3	2.8	V	I <sub>F</sub> =20mA
I <sub>R</sub>	Reverse Current	Super Bright Yellow		10	uA	V <sub>R</sub> = 5V

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

Parameter	Super Bright Yellow	Units
Power dissipation	120	mW
DC Forward Current	30	mA
Peak Forward Current [1]	140	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 5 Seconds	

Notes:

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



Super Bright Yellow

W7524SYC/H

