

T-1 3/4 (5mm) LED LAMP

L-7113SYC-H SUPERBRIGHT YELLOW

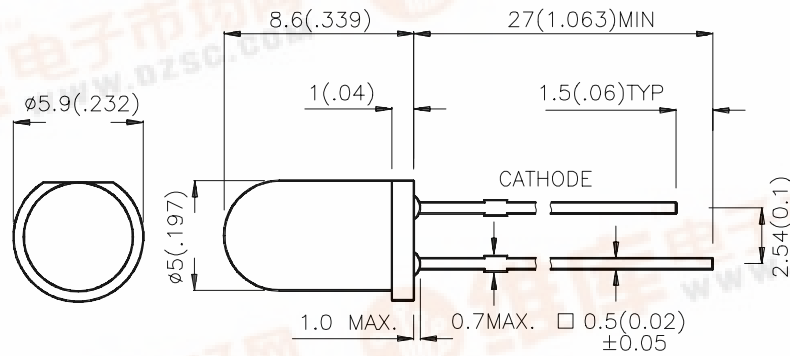
Features

- ULTRABRIGHTNESS.
- WATER CLEAR LENS ARE AVAILABLE.
- OUTSTANDING MATERIAL EFFICIENCY.
- RELIABLE AND RUGGED.
- IC COMPATIBLE/LOW CURRENT CAPABILITY.

Description

Super Bright Yellow source color devices are made with DH InGaAlP on GaAs substrate 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.

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Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	θ1/2
L-7113SYC-H	SUPER BRIGHT YELLOW (InGaAlP)	WATER CLEAR	1500	2100	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	Super Bright Yellow (SY-H)	590		nm	IF=20mA
λ _D	Dominate Wavelength	HSuper Bright Yellow (SY-H)	589		nm	IF=20mA
Δλ _{1/2}	Spectral Line Halfwidth	Super Bright Yellow (SY-H)	20		nm	IF=20mA
C	Capacitance	Super Bright Yellow (SY-H)	45		pF	VR=0V;f=1MHz
V _F	Forward Voltage	Super Bright Yellow (SY-H)	2.3	2.8	V	IF=20mA
I _R	Reverse Current	Super Bright Yellow (SY-H)		10	uA	VR = 5V

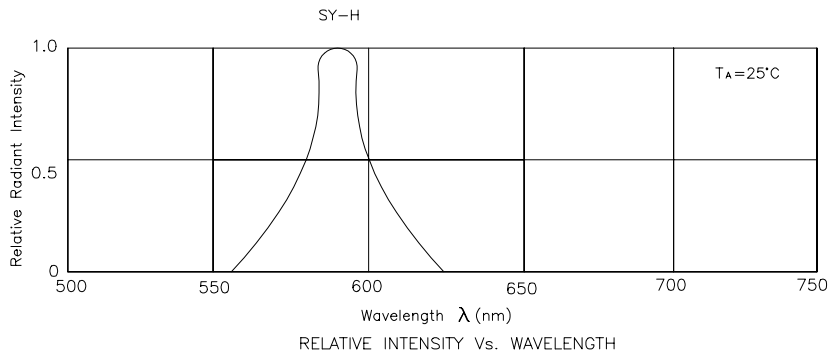
Absolute Maximum Ratings at T_A=25°C

Parameter	Super Bright Yellow (SY-H)	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. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 4mm below package base.

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Super Bright Yellow L-7113SYC-H

