

L-7676CSEC-H

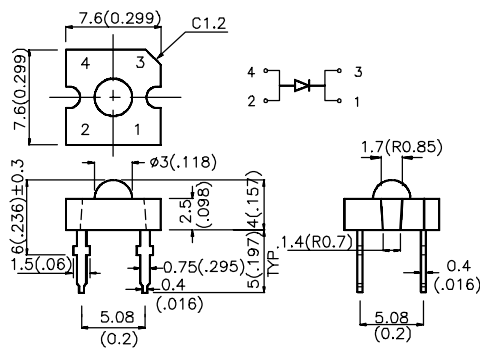
### Features

- SUPER FLUX OUTPUT.
- DESIGN FOR HIGH CURRENT OPERATION.
- OUTSTANDING MATERIAL EFFICIENCY.
- RELIABLE AND RUGGED.

### Description

The Hyper Orange 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 subjected to change without notice.

## Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20 mA *70mA		Viewing Angle
			Min.	Typ.	2θ1/2
L-7676CSEC-H	HYPER ORANGE (InGaAlP)	WATER CLEAR	1500	1800	70°
			*5000	*7000	70°

### NOTES FOR L-7676C SERIES:

- \*1. DRIVE CURRENT BETWEEN 10mA AND 30mA ARE RECOMMENDED FOR LONG TERM PERFORMANCE.
- \*2. OPERATION AT CURRENT BELOW 10mA IS NOT RECOMMENDED.

## Electrical / Optical Characteristics at T<sub>A</sub>=25°C

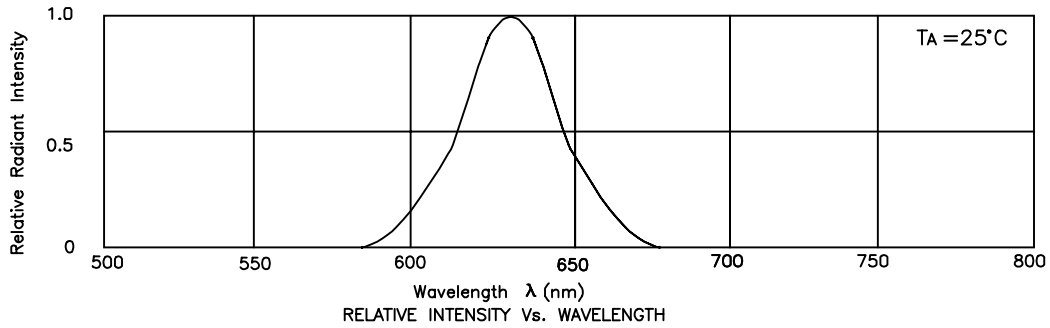
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
$\lambda_{peak}$	Peak Wavelength	SE-H	630		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Halfwidth	SE-H	20		nm	IF=20mA
C	Capacitance	SE-H	25		pF	VF=0V;f=1MHz
V <sub>F</sub>	Forward Voltage	SE-H	2.35	2.7	V	IF=20mA
I <sub>R</sub>	Reverse Current	All		10	uA	VR = 5V

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

Parameter	SE-H	Units
Power dissipation	150	mW
DC Forward Current	40	mA
Peak Forward Current [1]	150	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Soldering Temperature [2]	260 °C For 5 Seconds	

### Notes:

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



## L-76761CSEC-H

