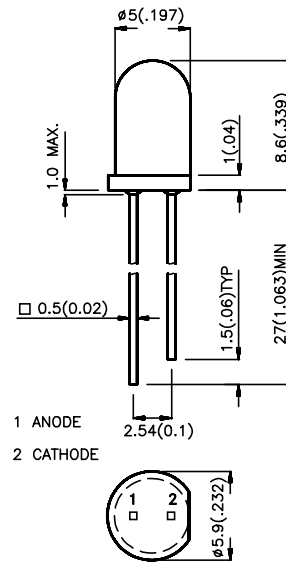


Features

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

L-7113SEC-H

Package Dimensions



Description

The Super Bright Orange (SE-H) source color devices are made with DH InGaAlP on GaAs substrate Light Emitting Diode.

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		Viewing Angle
			Min.	Typ.	$2\theta_{1/2}$
L-7113SEC-H	HYPERS ORANGE (InGaAlP)	WATER CLEAR	7000	10000	20°

Note:

1. $\theta_{1/2}$ 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

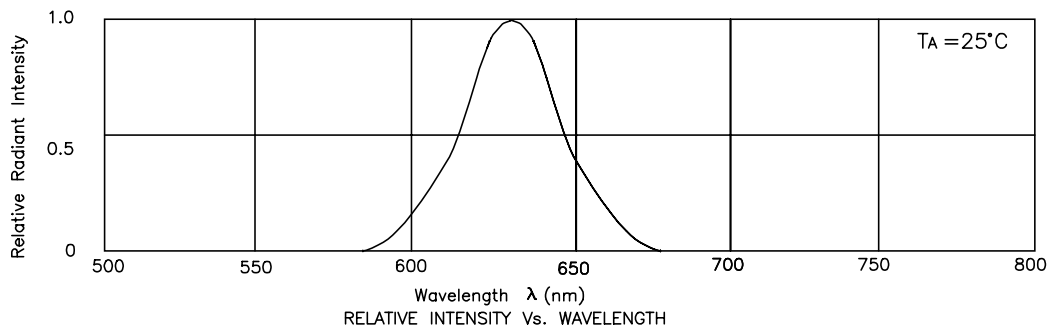
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	SE-H	630		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Halfwidth	SE-H	20		nm	IF=20mA
C	Capacitance	SE-H	25		pF	VF=0V;f=1MHz
V _F	Forward Voltage	SE-H	2.35		V	IF=20mA
I _R	Reverse Current	All		10	uA	VR = 5V

Absolute Maximum Ratings at T_A=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:

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



Hyper Orange L-7113SEC-H

