

WP7676CSEC/H

HYPER ORANGE

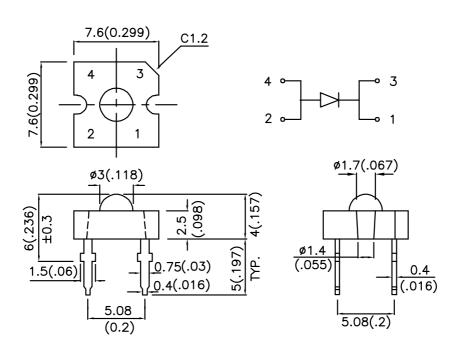
Features

- •SUPER FLUX OUTPUT.
- •DESIGN FOR HIGH CURRENT OPERATION.
- •OUTSTANDING MATERIAL EFFICIENCY.
- •RELIABLE AND RUGGED.
- RoHS COMPLIANT.
- ●UV RATED EPOXY.

Description

This devices are made with TS InGaAIP.

Package Dimensions



Notes:

- All dimensions are in millimeters (inches).
 Tolerance is ±0.25(0.01") unless otherwise noted.
- 3. Lead spacing is measured where the leads emerge from the package.4. Specifications are subject to change without notice.

SPEC NO: DSAF2275 **REV NO: V.1** APPROVED: J. Lu **CHECKED: Allen Liu** DRAWN: B.H.LI

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Selection Guide

Part No.	Dice	Lens Type	lv (mcd) @ 20mA*70mA		Viewing Angle
		, ,	Min.	Тур.	201/2
WP7676CSEC/H	HYPER ORANGE (InGaAIP)	WATER CLEAR	1500	1800	- 70°
			*4700	*7000	

Notes

- 1.01/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
- 2. * Luminous intensity with asterisk is measured at 70mA under 40ms pulse width.
- 3.Drive current between 10mA and 30mA are recommended for long term performance.
- 4. Operation at current below 10mA is not recommended.

Electrical / Optical Characteristics at Ta=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Hyper Orange	640		nm	IF=20mA
λD	Dominant Wavelength	Hyper Orange	630		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Hyper Orange	25		nm	IF=20mA
С	Capacitance	Hyper Orange	27		pF	VF=0V;f=1MHz
VF	Forward Voltage	Hyper Orange	2.2	2.8	V	IF=20mA
lr	Reverse Current	Hyper Orange		10	uA	VR = 5V

Absolute Maximum Ratings at Ta=25°C

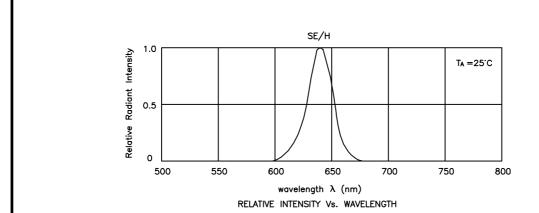
Parameter	Hyper Orange	Units			
Power dissipation	196	mW			
DC Forward Current	70	mA			
Peak Forward Current [1]	150	mA			
Reverse Voltage	5	V			
Operating/Storage Temperature	-40°C To +85°C				
Lead Solder Temperature [2]	260°C For 3 Seconds				
Lead Solder Temperature [3]	260°C For 5 Seconds				

Notes:

- 1. 1/10 Duty Cycle, 0.1ms Pulse Width.
- 2. 2mm below package base.
- 3. 5mm below package base.

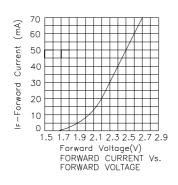
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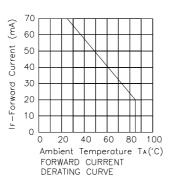
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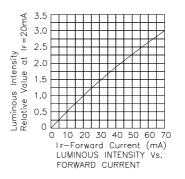


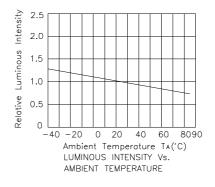
Hyper Orange

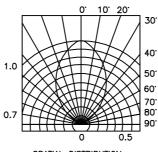
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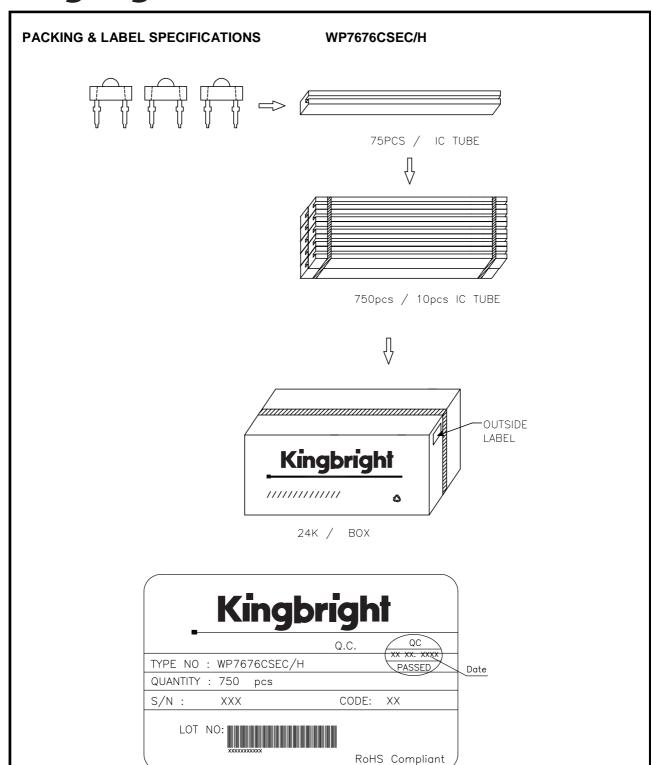






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Remarks:

If special sorting is required (e.g. binning based on forward voltage, luminous intensity, or wavelength), the typical accuracy of the sorting process is as follows:

- 1. Wavelength: +/-1nm
- 2. Luminous Intensity: +/-15%
- 3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

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