

WP7113WYP/SEC/H

HYPER ORANGE

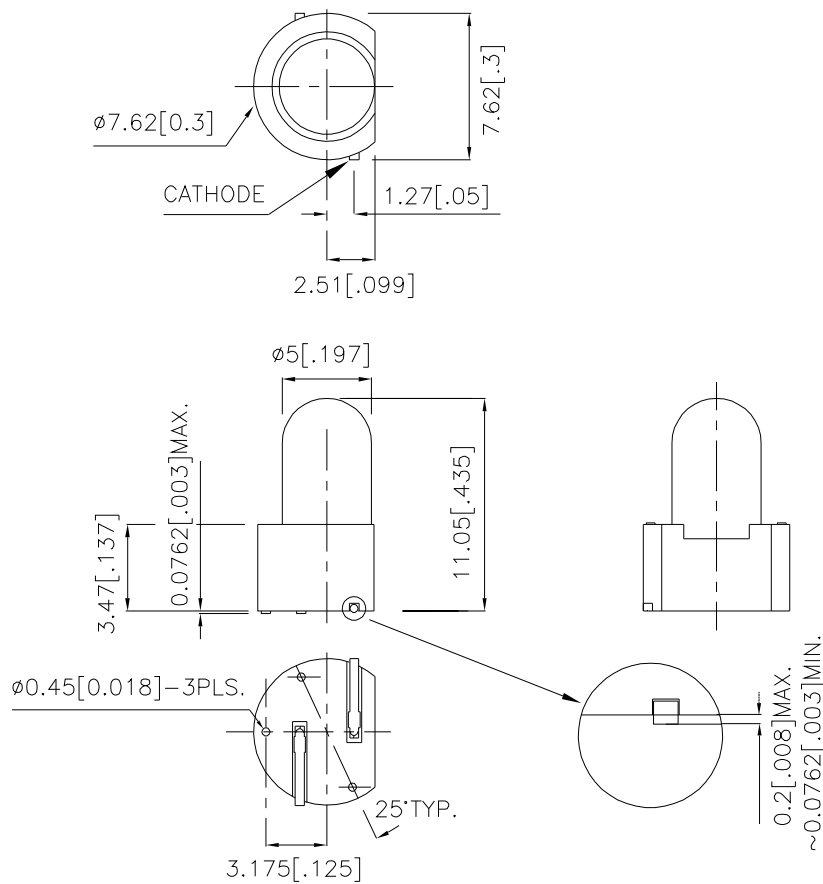
Features

- OUTSTANDING MATERIAL EFFICIENCY.
- RELIABLE AND RUGGED.
- IC COMPATIBLE/LOW CURRENT CAPABILITY.
- HOUSING MATERIAL: PPA.
- PACKAGE : 65 PCS/TUBE.
- HIGH TEMPERATURE RESISTANT HOUSING.
- RoHS COMPLIANT.

Description

This devices are made with TS InGaAlP.

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25 (0.01")$ unless otherwise noted.
3. Specifications are subject to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 20mA		Viewing Angle
			Min.	Typ.	2θ1/2
WP7113WYP/SEC/H	HYPERS ORANGE (InGaAlP)	WATER CLEAR	3800	10000	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 TA=25°C

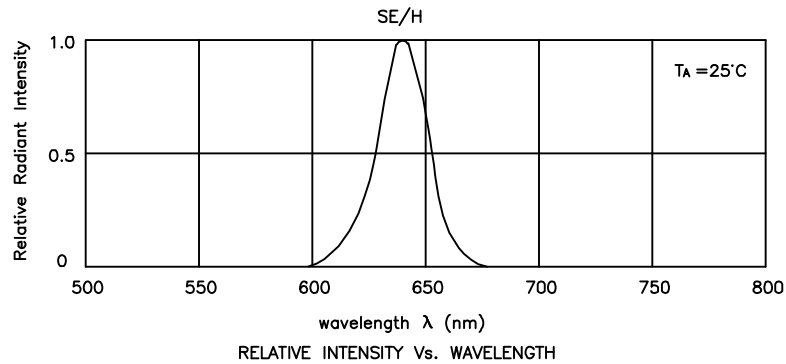
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Hyper Orange	640		nm	IF=20mA
λD	Dominant Wavelength	Hyper Orange	630		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Hyper Orange	25		nm	IF=20mA
C	Capacitance	Hyper Orange	27		pF	VF=0V;f=1MHz
VF	Forward Voltage	Hyper Orange	2.2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

Absolute Maximum Ratings at TA=25°C

Parameter	Hyper Orange	Units
Power dissipation	120	mW
DC Forward Current	30	mA
Peak Forward Current [1]	150	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	

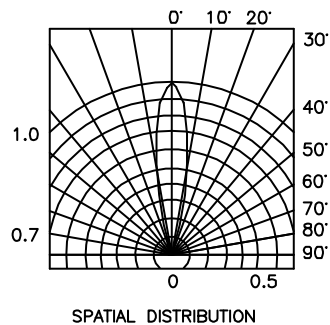
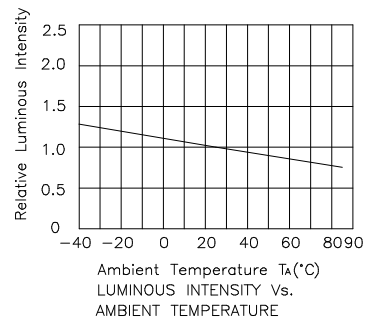
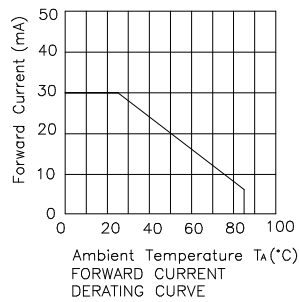
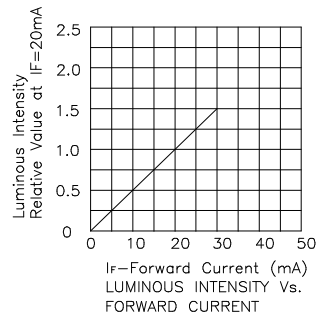
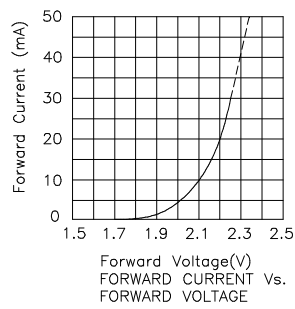
Note:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.

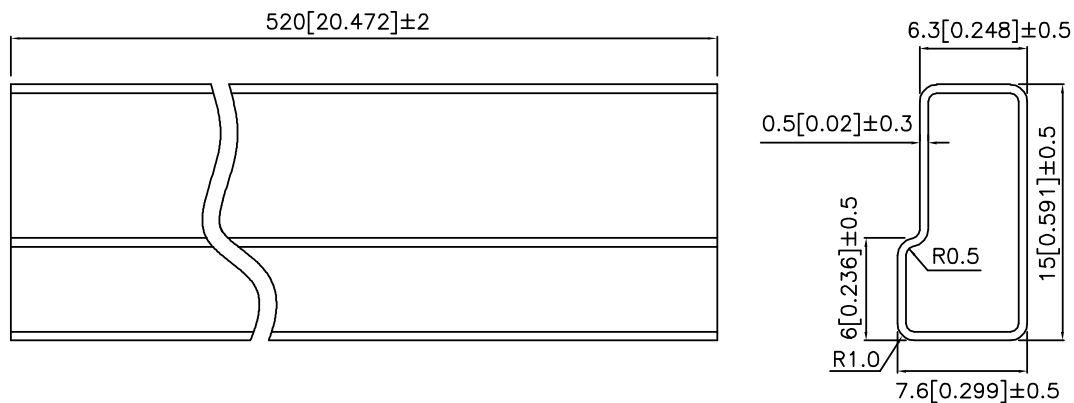


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WP7113WYP/SEC/H IC Tube Dimensions



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: $\pm 1\text{nm}$
2. Luminous Intensity: $\pm 15\%$
3. Forward Voltage: $\pm 0.1\text{V}$

Note: Accuracy may depend on the sorting parameters.