

PRELIMINARY SPEC

Part Number: WP7113WYP/SEC/J HYPER ORANGE

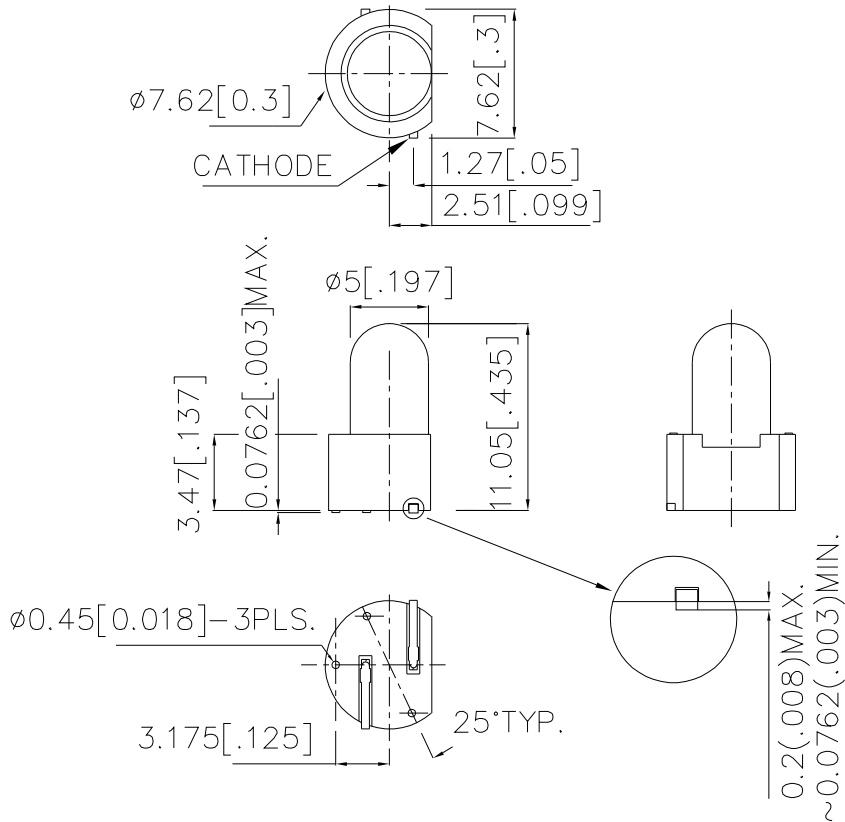
Features

- 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

The Super Bright device is based on a light emitting diode chip made from AlGaInP and bonded on silicon substrate.

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) [2] @ 20mA		Viewing Angle [1]
			Min.	Typ.	2 θ 1/2
WP7113WYP/SEC/J	HYPER ORANGE (AlGaInP)	WATER CLEAR	6700	12000	20°

Notes:

- θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
- Luminous intensity/ luminous flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	Hyper Orange	640		nm	I _F =20mA
λ _D [1]	Dominant Wavelength	Hyper Orange	630		nm	I _F =20mA
Δλ _{1/2}	Spectral Line Half-width	Hyper Orange	25		nm	I _F =20mA
C	Capacitance	Hyper Orange	27		pF	V _F =0V;f=1MHz
V _F [2]	Forward Voltage	Hyper Orange	2.2	2.8	V	I _F =20mA
I _R	Reverse Current	Hyper Orange		10	uA	V _R = 5V

Notes:

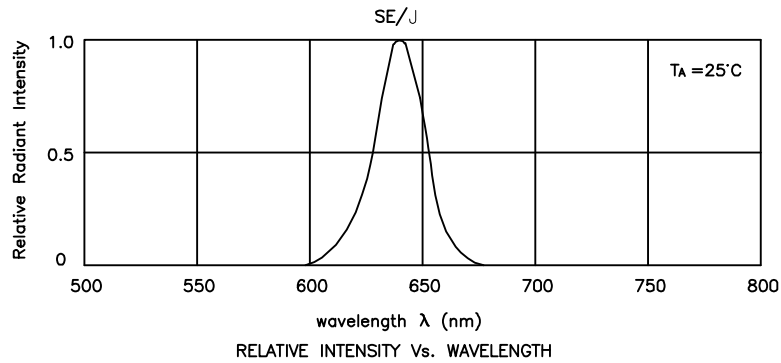
- Wavelength: +/-1nm.
- Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

Parameter	Hyper Orange	Units
Power dissipation	84	mW
DC Forward Current	30	mA
Peak Forward Current [1]	150	mA
Reverse Voltage	5	V
Operating Temperature	-40°C To +85°C	

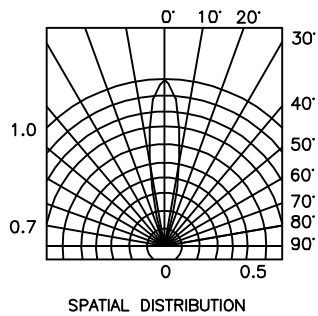
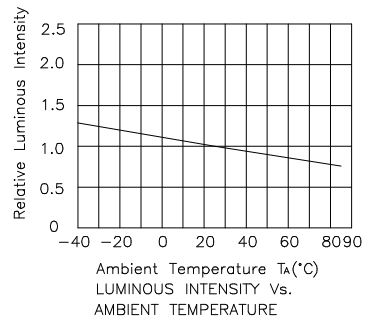
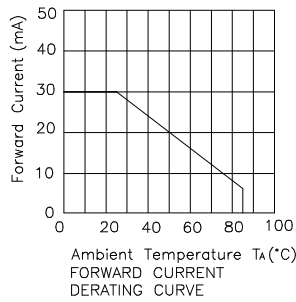
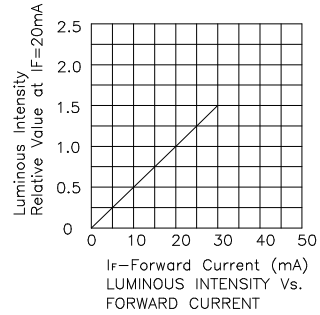
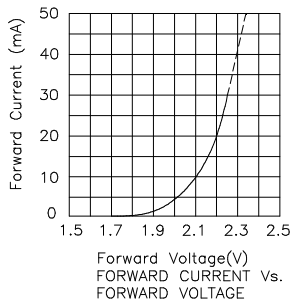
Note:

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

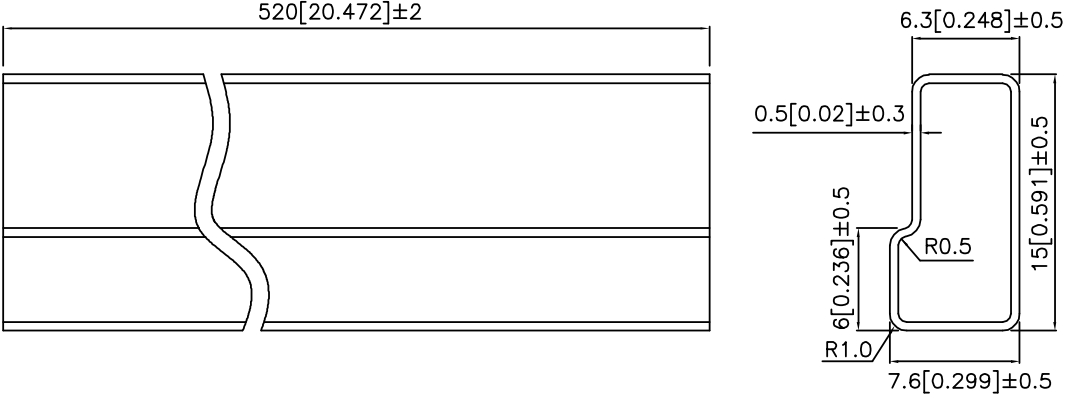


Hyper Orange

WP7113WYP/SEC/J



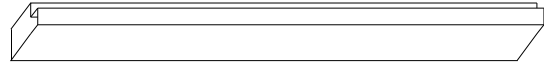
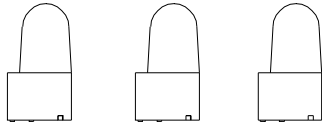
WP7113WYP/SEC/J
IC Tube Dimensions



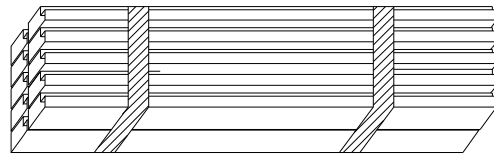
Kingbright

PACKING & LABEL SPECIFICATIONS

WP7113WYP/SEC/J




65PCS / IC TUBE



650pcs / 10pcs IC TUBE



Kingbright	
Q.C.	QC
TYPE NO : WP7113WYPXXX	***-**-**** PASSED
QUANTITY : 650 pcs	Date
S/N : XXX	CODE: XX
LOT NO: 	
RoHS Compliant	



OUTSIDE LABEL

20.8K / 10# BOX