

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	Typ.	2θ1/2
WP7104SEC/J2	HYPER ORANGE (AlInGaP)	WATER CLEAR	2800	5500	34°

Notes:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

2. Luminous Intensity / Luminous Flux: +/-15%.

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 [1]	Dominant Wavelength	Hyper Orange	630		nm	IF=20mA
Δλ.1/2	Spectral Line Half-width	Hyper Orange	25		nm	IF=20mA
C	Capacitance	Hyper Orange	27		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Hyper Orange	2.2	2.8	V	IF=20mA
IR	Reverse Current	Hyper Orange		10	uA	VR = 5V

Notes:

1. Wavelength: +/-1nm.

2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

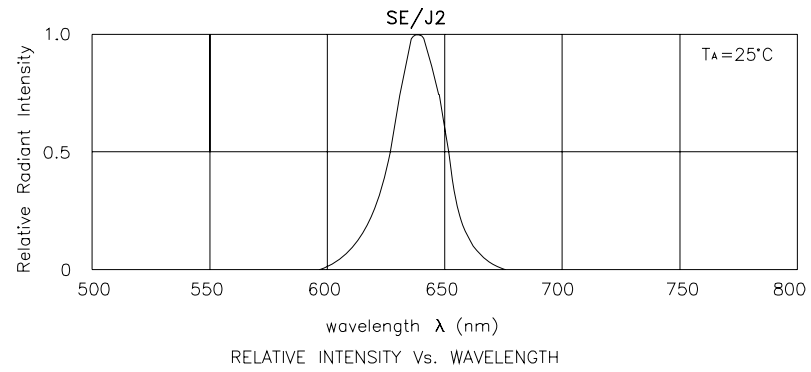
Parameter	Hyper Orange	Units
Power dissipation	84	mW
DC Forward Current	30	mA
Peak Forward Current [1]	150	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 3 Seconds	
Lead Solder Temperature [3]	260°C For 5 Seconds	

Notes:

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

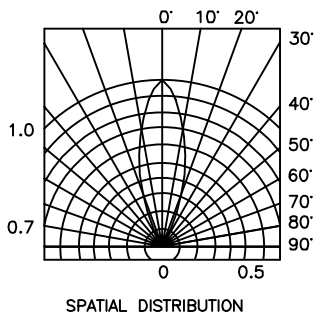
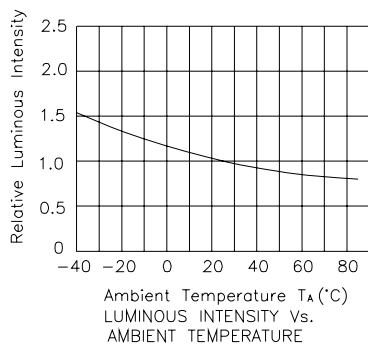
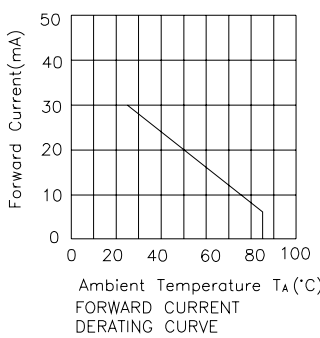
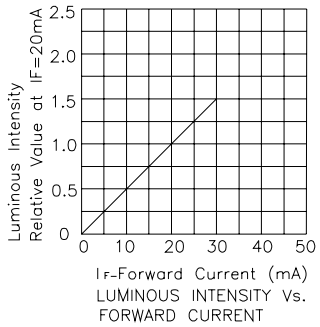
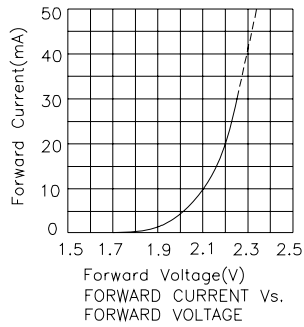
2. 2mm below package base.

3. 5mm below package base.



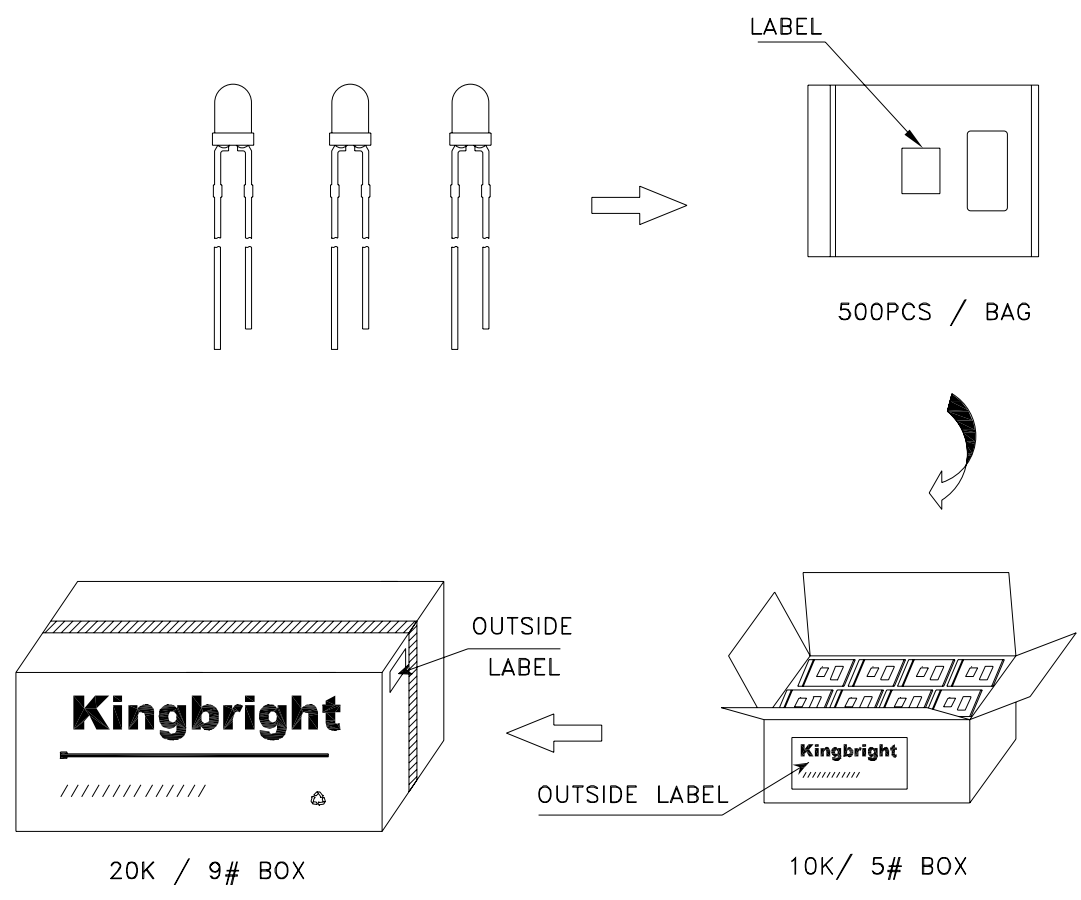
Hyper Orange

WP7104SEC/J2



PACKING & LABEL SPECIFICATIONS

WP7104SEC/J2



Kingbright	
Q.C.	
TYPE NO : WP7104xxx	
QUANTITY : 500 pcs	
S/N : XX	CODE: XX
LOT NO : 	
RoHS Compliant	