T-1 3/4 (5mm) SOLID STATE LAMP

PRELIMINARY SPEC

Part Number: WP7524SEC/J HYPER ORANGE

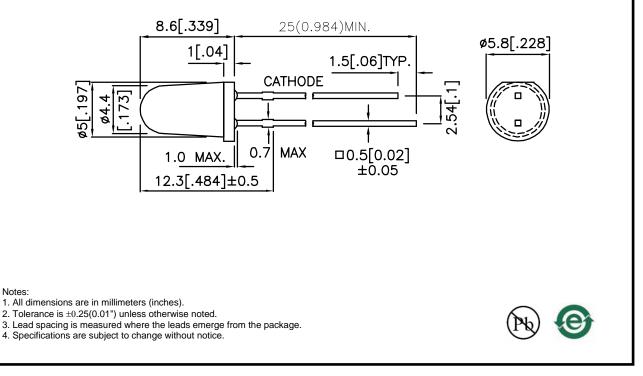
Features

- •LOW POWER CONSUMPTION.
- •POPULAR T-1 3/4 DIAMETER PACKAGE.
- •GENERAL PURPOSE LEADS.
- •RELIABLE AND RUGGED.
- •LONG LIFE SOLID STATE RELIABILITY.
- •RoHS COMPLIANT.

Description

The Super Bright device is based on light emitting diode chip made from AlInGaP.

Package Dimensions



SPEC NO: DSAF0750 APPROVED: WYNEC REV NO: V.4 CHECKED: Allen Liu DATE: JUN/18/2007 DRAWN: S.J.LIU PAGE: 1 OF 4 ERP: 1101021260

Selection Guide lv (mcd) [2] @ 20mA Viewing Angle [1] Part No. Dice Lens Type Min. 2 0 1/2 Тур. WP7524SEC/J HYPER ORANGE (AlGaInP) WATER CLEAR 6700 14000 18°

Notes:

1. θ 1/2 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	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Hyper Orange	640		nm	IF=20mA
λD [1]	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 [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			

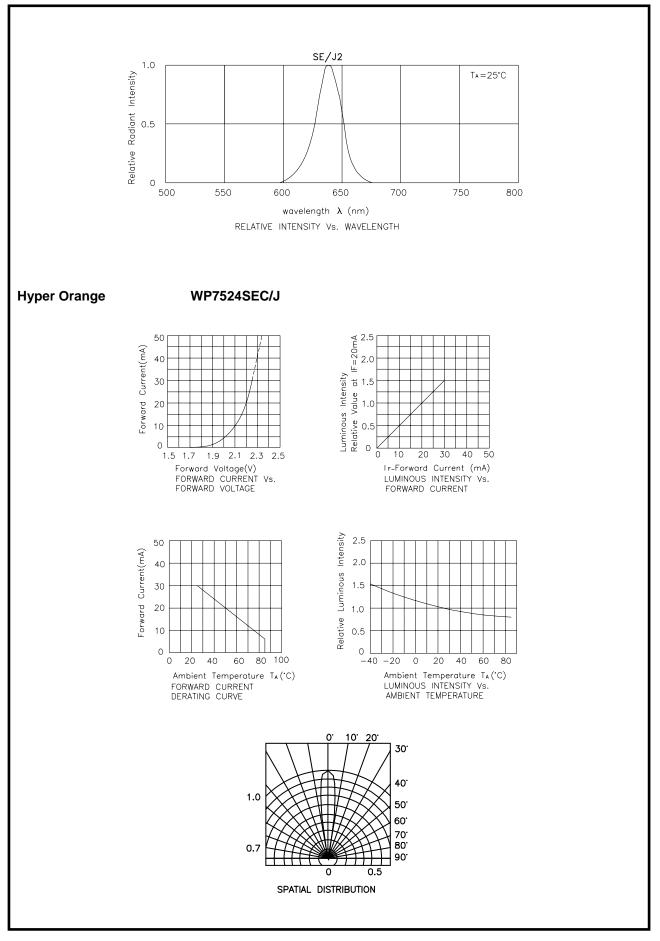
Notes:

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

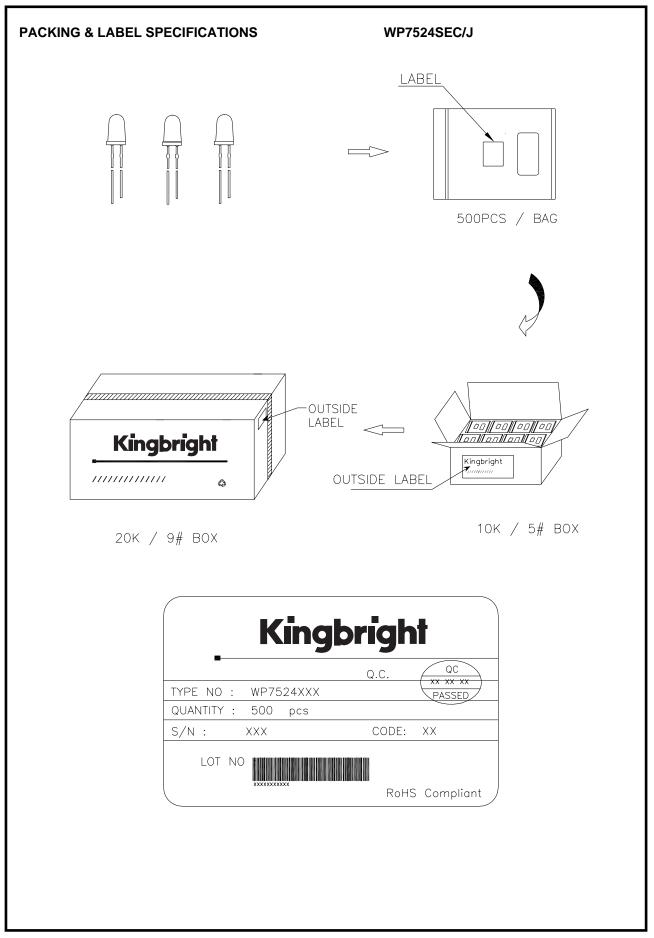
2. 2mm below package base.

3. 5mm below package base.

DATE: JUN/18/2007 **DRAWN: S.J.LIU**



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