

WP914ADT

AMBER

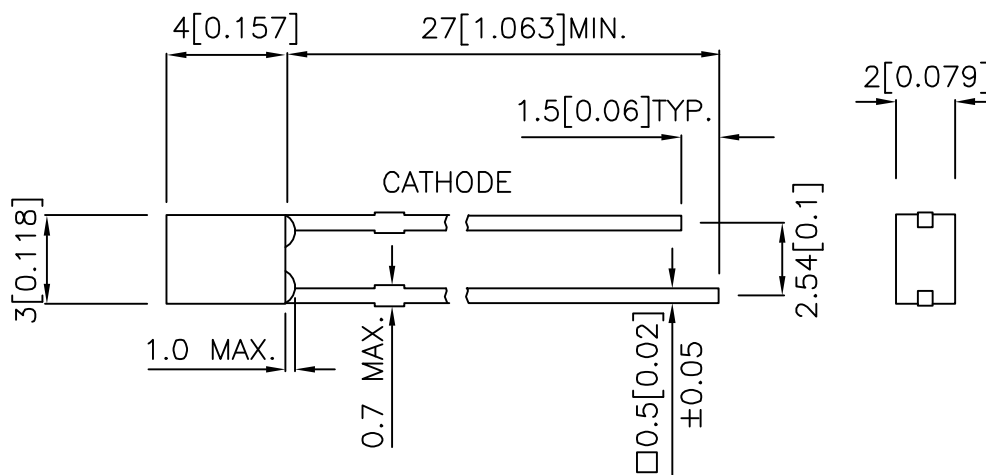
Features

- LOW POWER CONSUMPTION.
- ULTRA BRIGHTNESS IS AVAILABLE.
- RELIABLE AND RUGGED.
- EXCELLENT UNIFORMITY OF LIGHT OUTPUT.
- SUITABLE FOR LEVEL INDICATOR.
- RoHS COMPLIANT.

Description

The Amber source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow Light Emitting Diode.

Package Dimensions



Notes:

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

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 10 mA		Viewing Angle
			Min.	Typ.	
WP914ADT	AMBER (GaAsP/GaP)	AMBER DIFFUSED	1.8	5	100°

Note:

1. $\theta_{1/2}$ is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at T_A=25°C

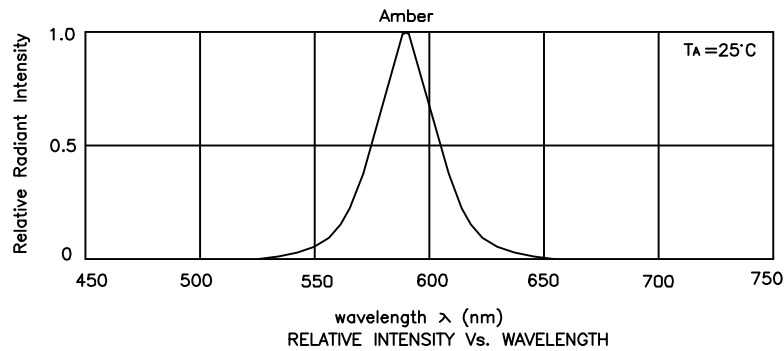
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Amber	590		nm	I _F =20mA
λ_D	Dominant Wavelength	Amber	588		nm	I _F =20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Amber	35		nm	I _F =20mA
C	Capacitance	Amber	20		pF	V _F =0V; f=1MHz
V _F	Forward Voltage	Amber	2.1	2.5	V	I _F =20mA
I _R	Reverse Current	Amber		10	uA	V _R = 5V

Absolute Maximum Ratings at T_A=25°C

Parameter	Amber	Units
Power dissipation	105	mW
DC Forward Current	30	mA
Peak Forward Current [1]	140	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	

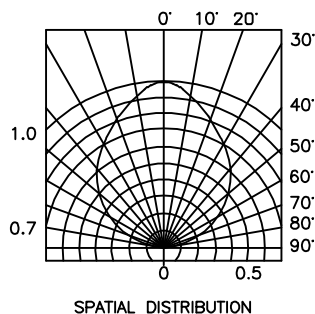
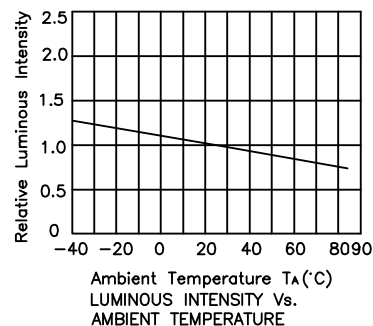
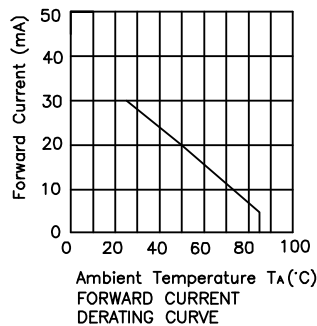
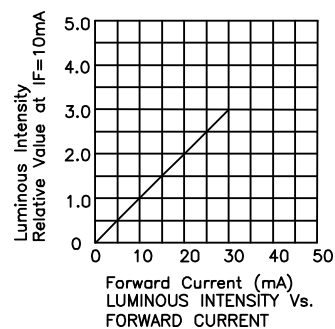
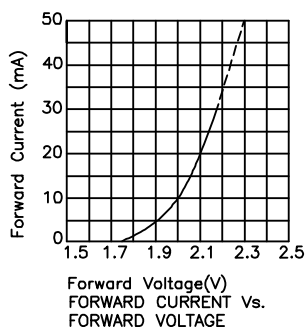
Notes:

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



Amber

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Remarks:

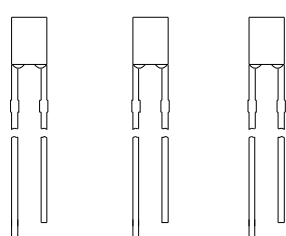
If special sorting is required (e.g. binning based on forward voltage, luminous intensity, or wavelength), the typical accuracy of the sorting process is as follows:

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

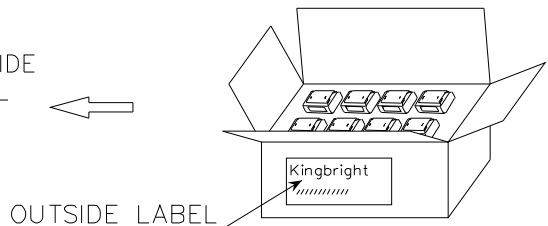
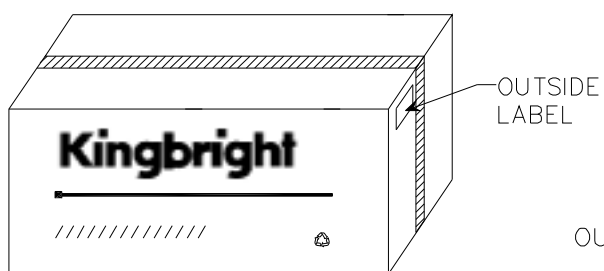
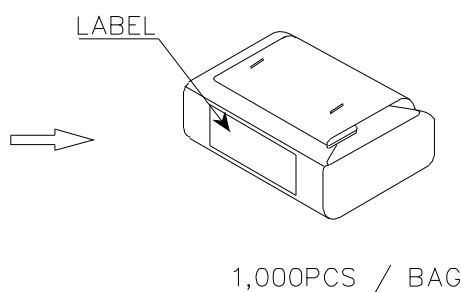
Note: Accuracy may depend on the sorting parameters.


PACKING & LABEL SPECIFICATIONS

WP914ADT



P/N: WP914XXX



Kingbright	
Q.C.	
TYPE NO : WP914XXX	QC xxx xx. 2005 PASSED
QUANTITY : 1,000 pcs	
S/N : XXX	CODE: XX
LOT NO :  xxxxxxxxxx	
RoHS Compliant	

Mouser Electronics

Authorized Distributor

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