

Kingbright

T-1 (3mm) SOLID STATE LAMP

WP34AD

AMBER

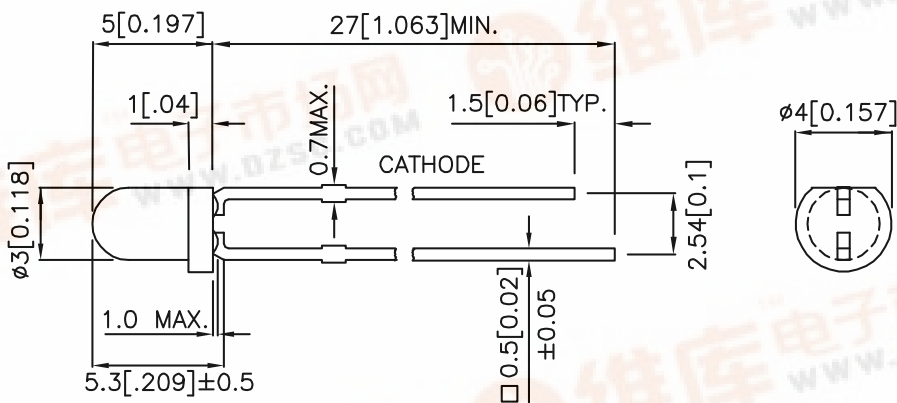
Features

- LOW POWER CONSUMPTION.
- POPULAR T-1 DIAMETER PACKAGE.
- GENERAL PURPOSE LEADS.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.
- AVAILABLE ON TAPE AND REEL.
- 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 lead emerge from the package.
4. Specifications are subject to change without notice.

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Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) @ 10mA		Viewing Angle
			Min.	Typ.	2 θ 1/2
WP34AD	AMBER (GaAsP/GaP)	AMBER DIFFUSED	3	12	60°

Note:

1. θ 1/2 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
λ_{peak}	Peak Wavelength	Amber	590		nm	IF=20mA
λ_D	Dominant Wavelength	Amber	588		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Amber	35		nm	IF=20mA
C	Capacitance	Amber	20		pF	VF=0V;f=1MHz
VF	Forward Voltage	Amber	2.1	2.5	V	IF=20mA
IR	Reverse Current	Amber		10	uA	VR = 5V

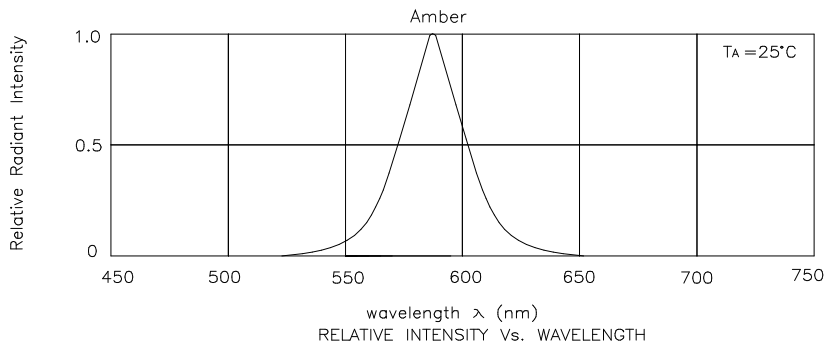
Absolute Maximum Ratings at TA=25°C

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:

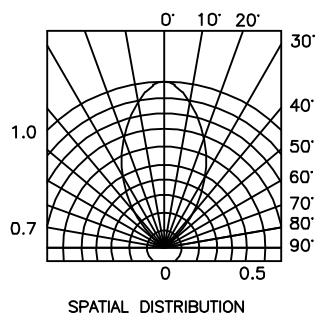
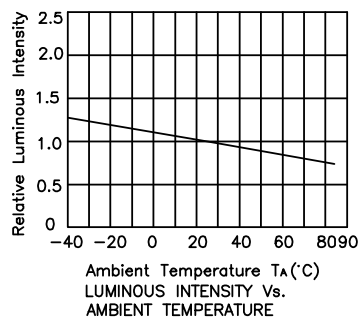
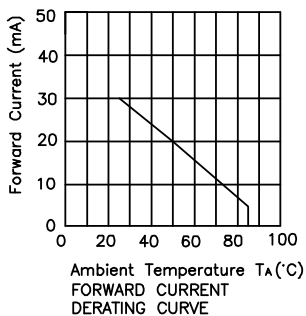
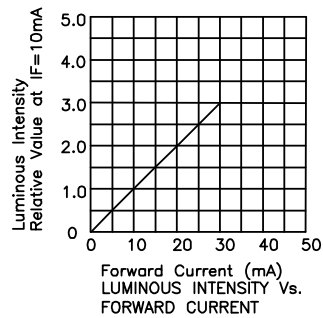
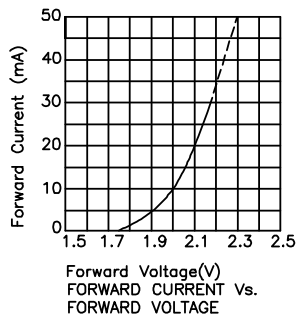
1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.
3. 5mm below package base.

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Amber

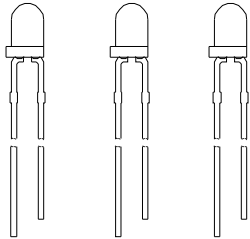
WP34AD



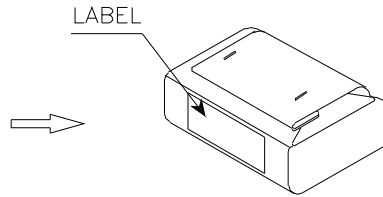
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PACKING & LABEL SPECIFICATIONS

WP34AD



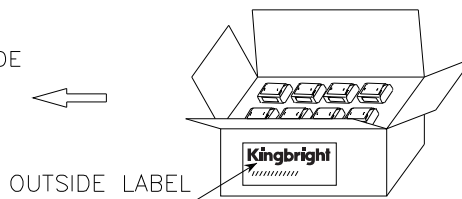
P/N: WP34XXX




1,000PCS / BAG



56K / 9# BOX



28K / 5# BOX

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Q.C.	<table border="1"> <tr> <td style="text-align: center;">QC</td> </tr> <tr> <td style="text-align: center;">xxx xx xxxx</td> </tr> <tr> <td style="text-align: center;">PASSED</td> </tr> </table>	QC	xxx xx xxxx	PASSED
QC				
xxx xx xxxx				
PASSED				
TYPE NO : WP34XXX	Date			
QUANTITY : 1,000 pcs				
S/N : XXX	CODE: XX			
LOT NO :	 <small>xxxxxxxxxxxx</small>			
RoHS Compliant				

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: +/-1nm
2. Luminous Intensity: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.