

WP34AD

AMBER

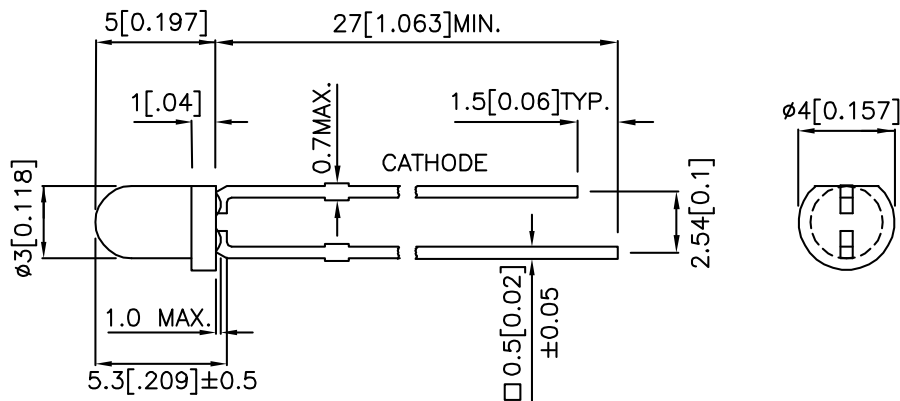
Features

- 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 ±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.

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

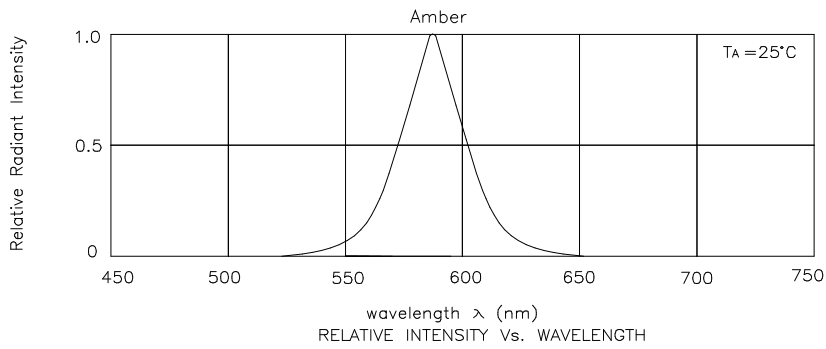
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Amber	590		nm	IF=20mA
λ_D	Dominant Wavelength	Amber	588		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Amber	35		nm	IF=20mA
C	Capacitance	Amber	20		pF	VF=0V;f=1MHz
VF	Forward Voltage	Amber	2.1	2.5	V	IF=20mA
IR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

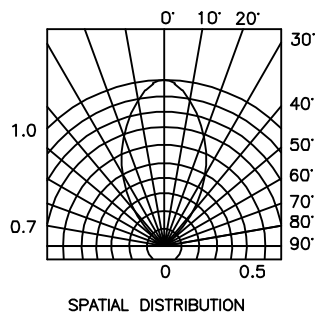
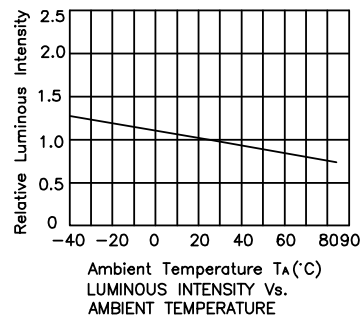
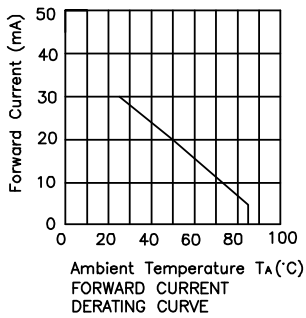
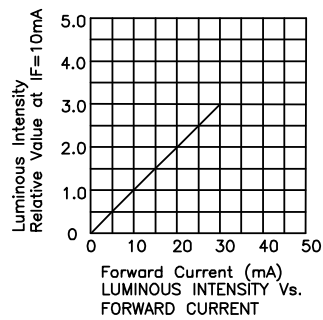
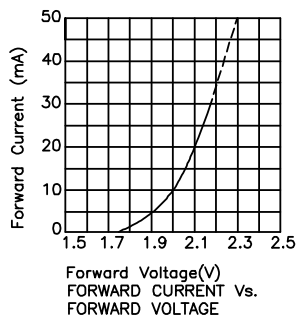
Notes:

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



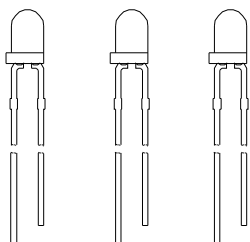
Amber

WP34AD

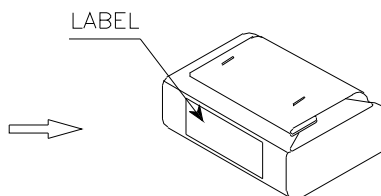


PACKING & LABEL SPECIFICATIONS

WP34AD



P/N: WP34XXX

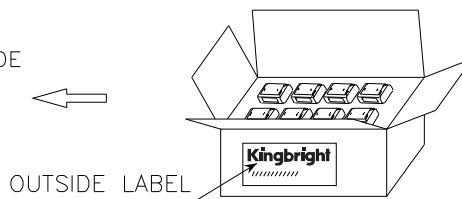


1,000PCS / BAG




56K / 9# BOX

OUTSIDE LABEL



OUTSIDE LABEL

28K / 5# BOX

Kingbright				
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				
QUANTITY : 1,000 pcs				
S/N : XXX	CODE: XX			
LOT NO : 				
RoHS Compliant				

Date

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.