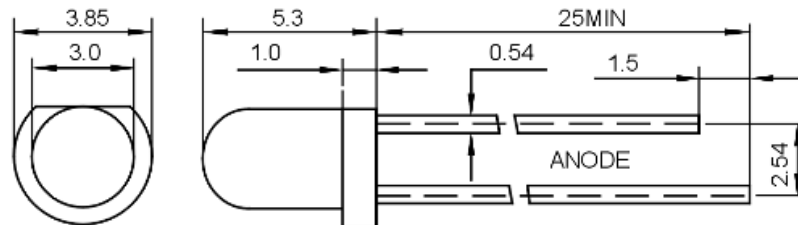




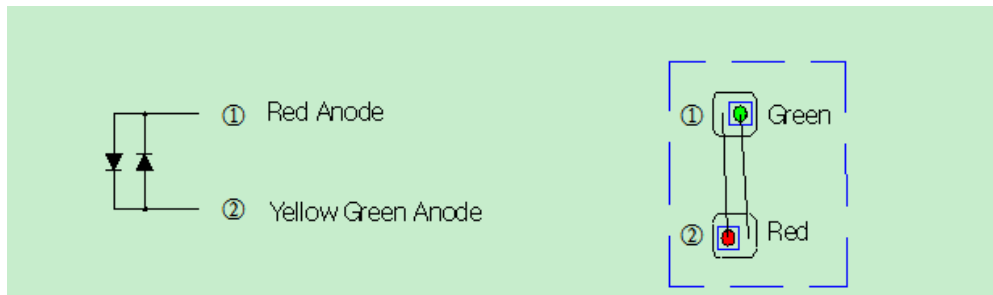
**ATTENTION**  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
DISCHARGE  
SENSITIVE  
DEVICES

## ARL-3014UEUGW/2L

### Package Dimensions



UNIT:mm



**Notes:** 1. Other dimensions are in millimeters, tolerance is 0.25mm except being specified.  
2. Protruded resin under flange is 1.5mm Max LED.

### Features

- Hi-Eff Red and Yellow Green chips are matched for uniform light output.
- T-1 type package.
- Long life solid state reliability.
- Low power consumption.
- Pb free
- The product itself will remain within RoHS compliant Version.

### Usage Notes

Surge will damage the LED  
When using LED, it must use a protective resistor in series with DC current about 18mA

### Description

- The lamp contain two integral chips and is available bicolor.
- White Diffused lens color

### Applications

- TV set.
- Monitor
- Telephone
- Computer
- Circuit board

### Absolute Maximum Rating ( $T_a=25^\circ\text{C}$ )

Parameter	Symbol	Absolute Maximum Rating	Units
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	$I_{FPM}$	100	mA
Forward Current	$I_{FM}$	30	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	$P_D$	90/130	mW
Operating Temperature	$T_{opr}$	-40 ~ +80	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40 ~ +100	$^\circ\text{C}$
Soldering Heat (5s)	$T_{sol}$	260	$^\circ\text{C}$

## Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Device	Min	Typ.	Max.	Units	Test Conditions
Luminous Intensity	I <sub>v</sub>	Red Green	100 70	150 90	180 120	mcd	IF=20mA
Viewing Angle	2θ1/2	Red Green	40	---	60	Deg	(Note 1)
Peak Emission Wavelength	λ <sub>p</sub>	Red Green	620 565	630 570	635 575	nm	IF=20mA
Spectral Line Half-Width	λ	Red Green	15 15	20 20	25 25	nm	IF=20mA
Forward Voltage	V <sub>F</sub>	Red Green	1.9 1.9	---	2.3 2.4	V	IF=20mA
Reverse Current	I <sub>R</sub>	Red Green	---	---	10 10	μA	VR=5V

## Device Selection Guide

Part No.	Chip		Lens Color
	Material	Emitted Color	
ARL-3014UEUGW/2L	AlGaInP	Red	White clear
	AlGaInP	Green	

## Typical Electro-Optical Characteristics Curves

