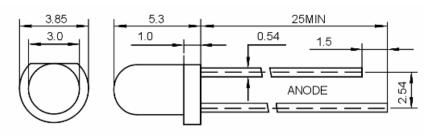




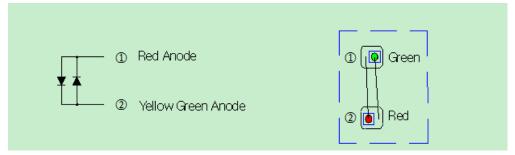
ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

ARL-3014UEUGC/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

- Two chips are matched for uniform light output, wide viewing angle
- Long life-solid state reliability
- I.C.compatible/Low power consumption
- Pb free

Description

- The LED lamps contain two integral chips and is available as both bicolor and bipolar types
- The Bright Red and Green light is emitted by diodes of GaAsP/GaP and GaAsP/GaP respectively
- Type of bipolar lamps are both White Diffused and Color Diffused while the bicolor are White Diffused

Applications

- Status indicators
- Commercial use
- Advertising Signs
- Back lighting

Usage Notes

Surge will damage the LED When using LED, it must use a protective resistor in series with DC current about 20mA

Absolute Maximum Rating (T_a=25°C)

Parameter	Symbol	Absolute Maximum Rating	Units mA	
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	\boldsymbol{I}_{FPM}	100		
Forward Current	\mathbf{I}_{FM}	30	mA	
Reverse Voltage	V_R	5	V	
Power Dissipation	P _D	140	mW	
Operating Temperature	Topr	-40 ~ +80	°C	
Storage Temperature	Tstg	-40 ~ +100	°C	
Soldering Heat (5s)	Tsol	260	°C	



Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Device	Min	Тур.	Max.	Units	Test Conditions
Luminous Intensity	Iv	Red Green	800 600		1000 900	mcd	IF=20mA
Viewing Angle	2θ1/2	Red Green	30		40	Deg	(Note 1)
Peak Emission Wavelength	λр	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 _F	Red Green	1.9 1.9		2.5 2.5	V	IF=20mA
Reverse Current	I_{R}	Red Green			10 10	μA	VR=5V

Device Selection Guide

Part No.	Chi	Lens Color		
Part No.	Material	Emitted Color	Lens Color	
ARL-3014UEUGC/2L	AlGaInP	Red	White close	
	AlGaInP	Green	White clear	

Typical Electro-Optical Characteristics Curves

