

# ARL-10603UYD-300mcd

#### **FEATURES**

- High efficiency
- Selected minimum intensities
- Low Power consumption
- Available on tape and reel
- General purpose leads
- Pb free

### **DESCRIPTIONS**

- The series is specially designed for applications requiring higher brightness
- The LED lamps are available with different colors, intensities, epoxy colors, etc
- Superior performance in outdoor environment

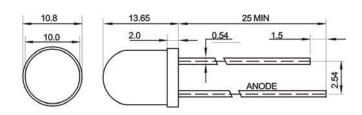
#### **USAGE NOTES:**

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

#### **APPLICATIONS**

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

#### **PACKAGE DIMENSIONS**



#### UNIT:mm

### Absolute Maximum Rating (Ta=25°C)

Parameter	Symbol Absolute Maximum Rating		Unit
Forward Pulse Current	I <sub>FPM</sub>	100	mA
Forward Current	I <sub>FM</sub>	30	mA
Reverse Voltage	$V_R$	5	V
Power Dissipation	P <sub>D</sub>	140	mW
Operating Temperature	Topr	-40 ~+80	°C
Storage Temperature	Tstg	-40 ~+100	°C
Soldering Heat (5s)	Tsol	260	°C

#### Electro-Optical Characteristics (Ta=25 °C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition		
Luminous Intensity	lv	250	275	300	mcd	IF=20mA(Note1)		
Viewing Angle	2 <sub>1/2</sub>		60		Deg	(Note 2)		
Peak Emission Wavelength	р	580	590	595	nm	IF=20mA		
Spectral Line Half-Width	Л	15	20	25	nm	IF=20mA		
Forward Voltage	$V_{F}$	1.9	2.0	2.1	V	IF=20mA		
Reverse Current	I <sub>R</sub>			10	А	VR=5V		

## Note:

- 1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- 2.  $_{1/2}$  is the off-axis angle at which the luminous intensity is half the axial luminous intensity.

