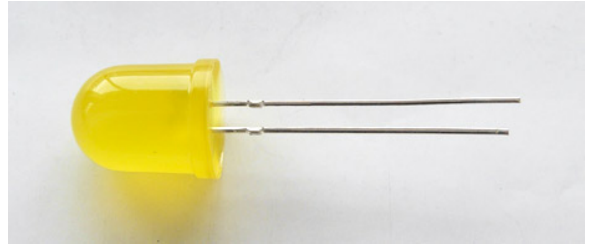


ARL-10603UYD-300mcd

FEATURES

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

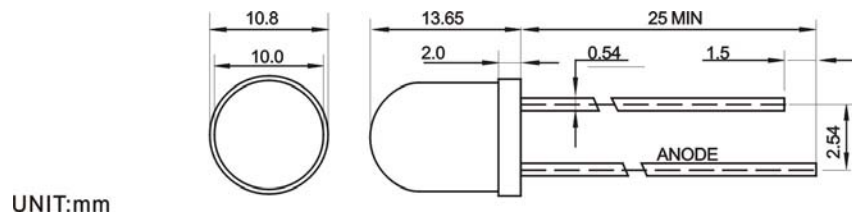
USAGE NOTES:

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

APPLICATIONS

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

PACKAGE DIMENSIONS



Absolute Maximum Rating (Ta=25°C)

Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Pulse Current	I_{FPM}	100	mA
Forward Current	I_{FM}	30	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	140	mW
Operating Temperature	T_{opr}	-40 ~+80	°C
Storage Temperature	T_{stg}	-40 ~+100	°C
Soldering Heat (5s)	T_{sol}	260	°C

Electro-Optical Characteristics (Ta=25 °C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	250	275	300	mcd	$I_F=20mA$ (Note1)
Viewing Angle	$2_{1/2}$		60		Deg	(Note 2)
Peak Emission Wavelength	λ	580	590	595	nm	$I_F=20mA$
Spectral Line Half-Width	λ	15	20	25	nm	$I_F=20mA$
Forward Voltage	V_F	1.9	2.0	2.1	V	$I_F=20mA$
Reverse Current	I_R	---	---	10	A	$V_R=5V$

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.