

# TOL-Z0aUEaUC

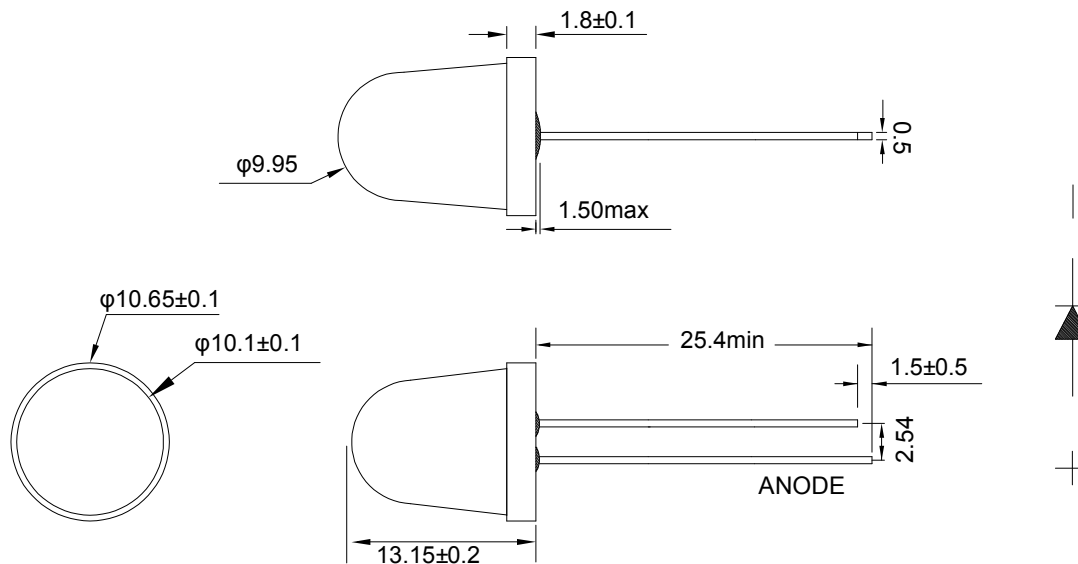
## Lamp LED

Part Number	Chip		Lens Color
	Material	Source Color	
TOL-Z0aUEaUC	AlGaInP	Ultra Red	Water Clear

### Features

- I.C. compatible.
- Low power consumption.
- Compatible with wave soldering process.
- 5mm diameter package.
- Long life, stable and reliable.
- RoHS compliant.

### Dimensions



#### Notes:

1. All dimensions are in millimeter.
2. Tolerance is  $\pm 0.25 \text{ mm}$  unless otherwise noted.

## Absolute Maximum Rating @ Ta=25°C

Parameter	Maximum Rating	Unit
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Power Dissipation (Tamb≤60°C)	75	mW
Continuous Forward Current	20	mA
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +100°C	
Storage Temperature Range	-40°C to +100°C	
Wave Soldering Profile For Lead Free Soldering	260°C for 5 Sec	

## Electrical / Optical Characteristic @ Ta=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I <sub>v</sub>		7500		mcd	I <sub>F</sub> =20mA
Viewing Angle	2θ <sub>1/2</sub>		15		deg	I <sub>F</sub> =20mA
Dominant Wavelength	λ <sub>d</sub>		625		nm	I <sub>F</sub> =20mA
Spectral Line Half-Width	Δλ		20		nm	I <sub>F</sub> =20mA
Forward Voltage	V <sub>F</sub>		2.0		V	I <sub>F</sub> =20mA
Reverse Current	I <sub>R</sub>			10	μA	V <sub>R</sub> =5V

\* Please refer to CIE 1931 chromaticity diagram.

## Bin Code List for Reference

Luminous Intensity		Unit : mcd@20mA
Bin Code	Min	Max
B47	4800	6000
B48	6000	7500
B49	7500	9400
B50	9400	11800

Tolerance of Luminous Intensity on each bin is  $\pm 11\%$ .

Forward Voltage		Unit : V@20mA
Bin Code	Min	Max
V05	1.8	2.0
V06	2.0	2.2
V07	2.2	2.4

Tolerance for each Forward Voltage Bin is  $\pm 0.1V$ .

Dominant Wavelength		Unit : nm@20mA
Bin Code	Min	Max
101	620	622
102	622	624
103	624	626
104	626	628
105	628	630

Tolerance of Dominant Wavelength on each bin is  $\pm 1nm$