

# TOL-305UG8D

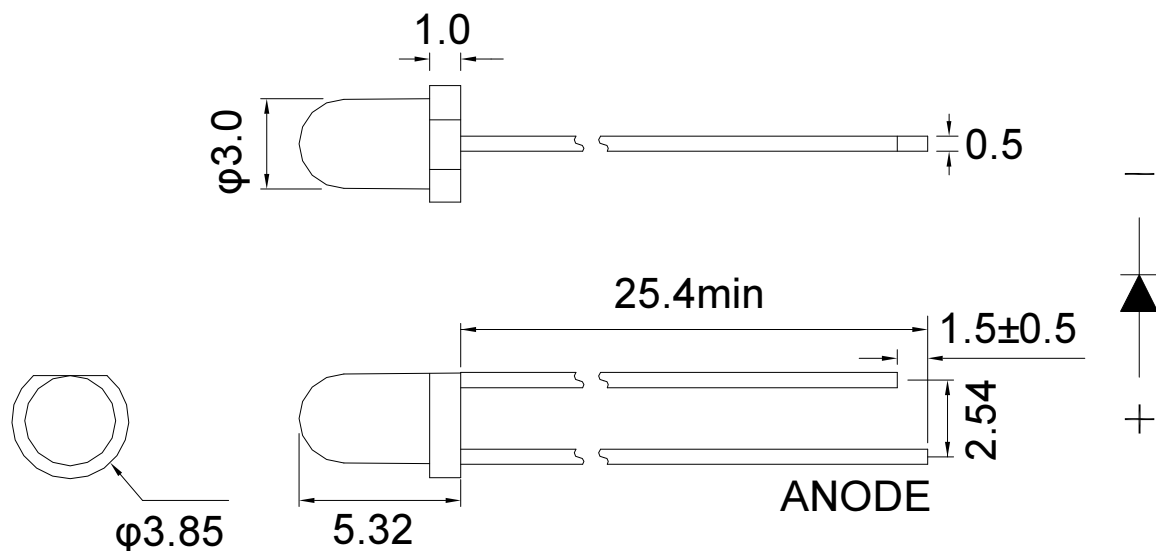
## Lamp LED

Part Number	Chip		Lens Color
	Material	Source Color	
TOL-305UG8D	AlGaInP	Green	Green Diffused

### Features

- I.C. compatible
- Low power consumption
- Compatible with wave soldering process
- 3mm 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 notes.

### 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	105	mW
Continuous Forward Current	20	mA
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +85°C	
Storage Temperature Range	-40°C to +105°C	
Wave Soldering Profile For Lead-free Soldering	260°C, 5 Seconds	

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I <sub>v</sub>	85	100	110	mcd	I <sub>F</sub> =20mA
Viewing Angle	2θ <sub>1/2</sub>		50		deg	I <sub>F</sub> =20mA
Dominant Wavelength	λ <sub>d</sub>		572		nm	I <sub>F</sub> =20mA
Spectral Line Half-Width	Δλ		18		nm	I <sub>F</sub> =20mA
Forward Voltage	V <sub>F</sub>	1.6	1.8	2.4	V	I <sub>F</sub> =20mA
Reverse Current	I <sub>R</sub>			10	μA	V <sub>R</sub> =5V