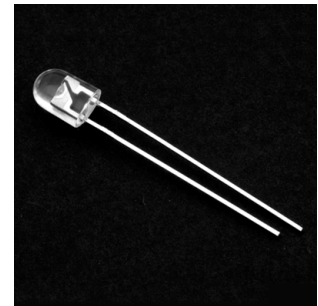


# TOL-56RUEJK

## Lamp LED

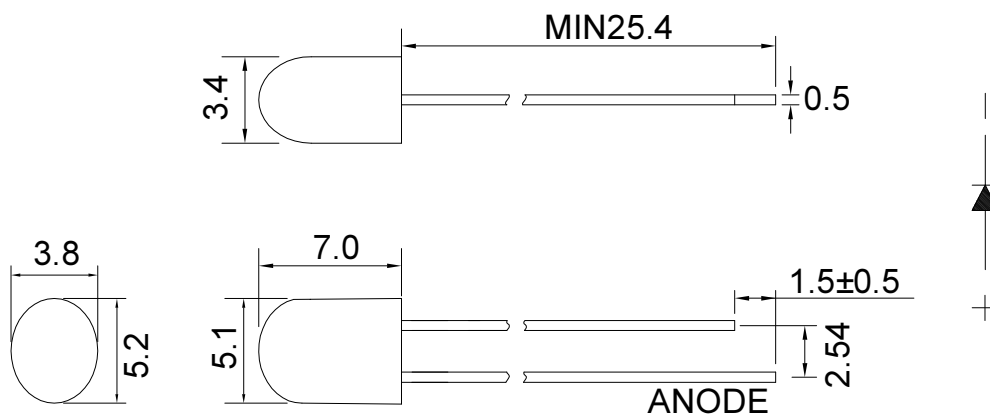
Part Number	Chip		Lens Color
	Material	Source Color	
TOL-56RUEJK	AlGaInP	Ultra-onange	Red Diffused



## Features

- I.C. compatible
- Low power consumption
- Compatible with wave soldering process
- (3.8mm\*5.2mm) oval package
- Long life, stable and reliable
- RoHS compliant

## Dimensions



### Notes:

1. All dimensions are in millimeter.
2. Tolerance is  $\pm 0.25$ 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	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>	1250		1625	mcd	I <sub>F</sub> =20mA
Viewing Angle	2θ <sub>1/2H-H</sub>		50		deg	I <sub>F</sub> =20mA
	2θ <sub>1/2V-V</sub>		30			
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>		2.1	2.4	V	I <sub>F</sub> =20mA
Reverse Current	I <sub>R</sub>			<100	μA	V <sub>R</sub> =5V

\* Please refer to CIE 1931 chromaticity diagram.