

# TOL-305RBRW

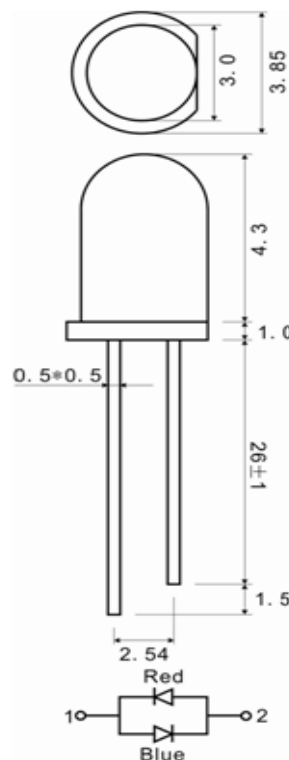
## Lamp LED

Part Number	Chip		Lens Color
	Material	Source Color	
TOL-305RBRW	AlGaInP/InGaN	Red / Blue	White Diffused

### Features

- I.C. compatible.
- Low power consumption, long life, stable and reliable.
- Compatible with wave soldering process.
- Red / Blue opposite polarity.
- 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
	R	B	
Pulse Forward Current	50	50	mA
Power Dissipation (Tamb ≤ 60°C)	60	90	mW
Continuous Forward Current	30	30	mA
Reverse Voltage	5	5	V
Operating Temperature Range	-30°C to +85°C		
Storage Temperature Range	-40°C to +100°C		
Wave Soldering Profile For Lead Free Soldering	260°C, 5 Seconds		

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

Parameter	Symbol	Red			Blue			Unit	Test Condition
		Min.	Typ.	Max.	Min.	Typ.	Max.		
Luminous Intensity	I <sub>v</sub>	300	-	700	500	-	1000	mcd	I <sub>F</sub> =20mA
Viewing Angle	2θ <sub>1/2</sub>	-	50	-	-	50	-	deg	I <sub>F</sub> =20mA
Dominant Wavelength	λ <sub>d</sub>	620	-	630	460	-	470	nm	I <sub>F</sub> =20mA
Forward Voltage	V <sub>F</sub>	1.9	-	2.4	2.8	-	3.5	V	I <sub>F</sub> =20mA
Reverse Current	I <sub>R</sub>	-	-	10	-	-	10	μA	V <sub>R</sub> =5V

\* Please refer to CIE 1931 chromaticity diagram.

Remark : Only reference for above data when testing.

The tolerance of intensity : ± 15%.

The tolerance of wave length<sub>h</sub> : ±1nm.

The tolerance of forwards voltage<sub>e</sub> : ± 0.05V.