

# TOL-307RBAW

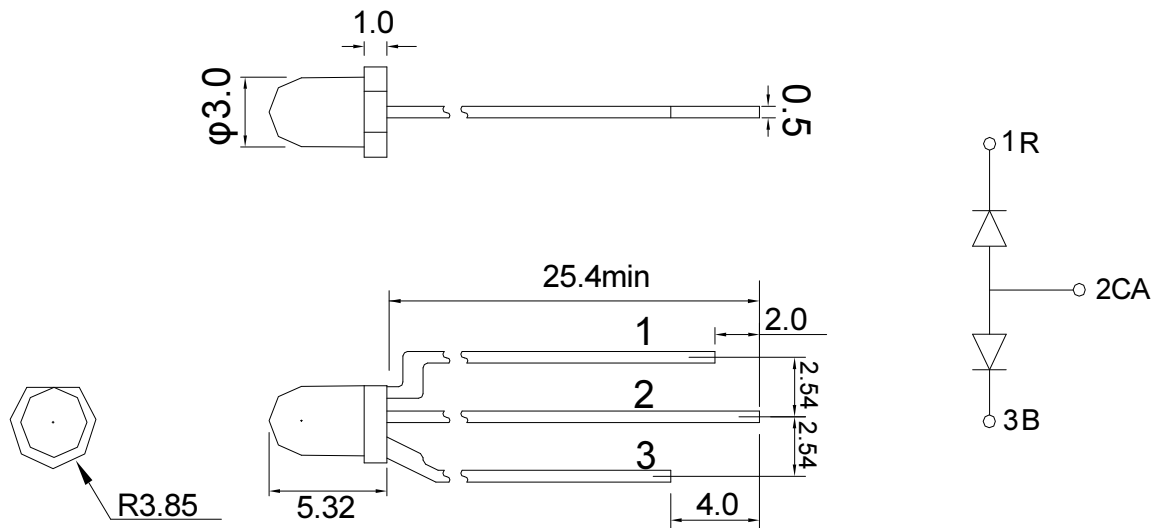
## Lamp LED

Part Number	Chip		Lens Color
	Material	Source Color	
TOL-307RBAW	AlGaInP/GaP	Red/Blue	White Diffused

### Features

- I.C. compatible
- Low power consumption
- Compatible with wave soldering process
- 3.0mm diameter package
- Common cathode.
- 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	95	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	Red.			Blue			Unit	Test Condition
		Min	Typ.	Max	Min	Typ.	Max		
Luminous Intensity	I <sub>v</sub>		130			220		mcd	I <sub>F</sub> =20mA
Viewing Angle	2θ <sub>1/2</sub>		60			60		deg	I <sub>F</sub> =20mA
Peak Wavelength	λ <sub>p</sub>		630			465		nm	I <sub>F</sub> =20mA
Spectral Line Half-Width	△λ		20			35		nm	I <sub>F</sub> =20mA
Forward Voltage	V <sub>F</sub>		2.0			3.3		V	I <sub>F</sub> =20mA
Reverse Current	I <sub>R</sub>		10			10		μA	V <sub>R</sub> =5V