

# TOL-30bHRaDAa-KR03

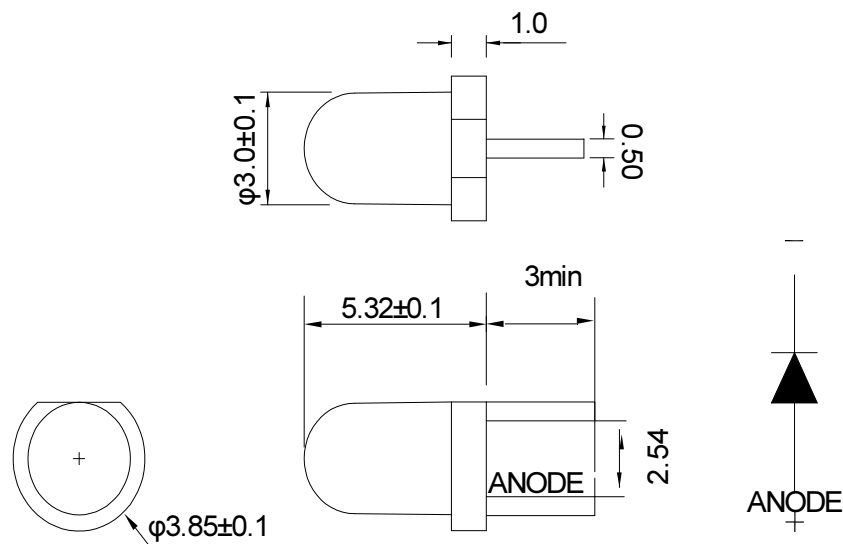
## Lamp LED

Part Number	Chip		Lens Color
	Material	Source Color	
TOL-30bHRaDAa-KR03	GaP	Pure Red	Red 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 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 + 80°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	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I <sub>v</sub>	1.2	4.0		mcd	I <sub>F</sub> =20mA
Viewing Angle	2θ <sub>1/2</sub>		65		deg	I <sub>F</sub> =20mA
Peak Emission Wavelength	λ <sub>p</sub>		700		nm	I <sub>F</sub> =20mA
Spectral Line Half-Width	Δλ		100		nm	I <sub>F</sub> =20mA
Forward Voltage	V <sub>F</sub>		2.25	2.5	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	
A10	1.20	1.50	
A11	1.50	1.90	
A12	1.90	2.30	
A13	2.30	2.90	
A14	2.90	3.60	

Tolerance of Luminous Intensity on each bin is ±11%