

# TOL-20cHOaFAa

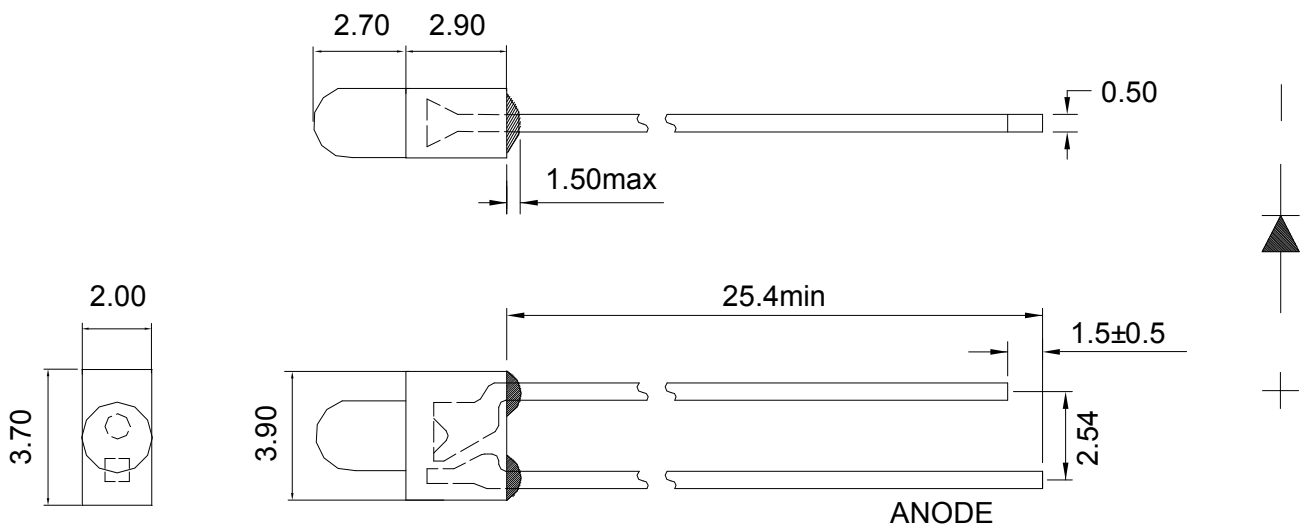
## Lamp LED

Part Number	Chip		Lens Color
	Material	Source Color	
TOL-20cHOaFAa	GaAsP	Orange	Red Diffused

### Features

- I.C. compatible.
- Low power consumption.
- Compatible with wave soldering process.
- 2mm diameter 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

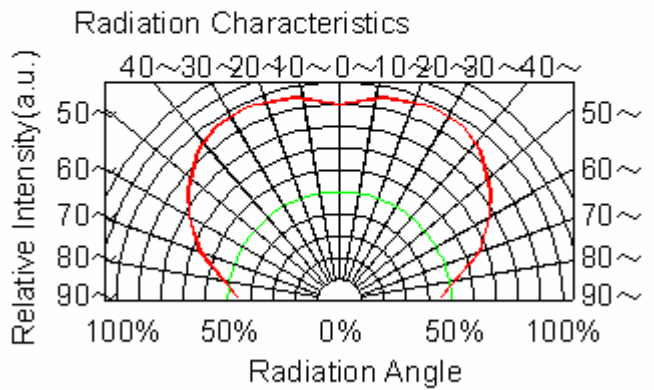
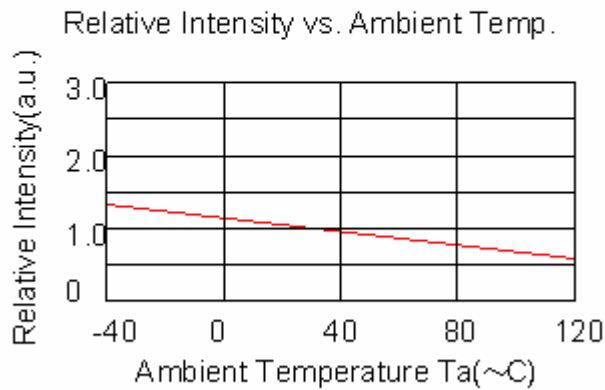
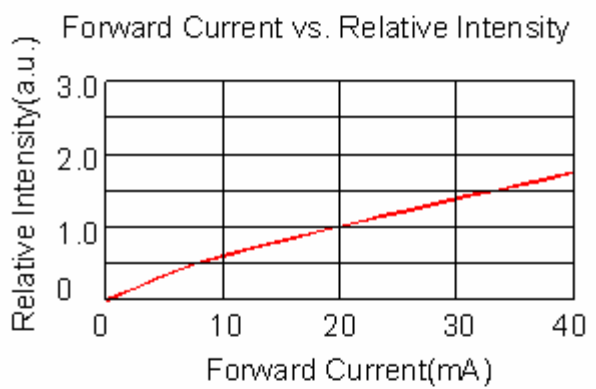
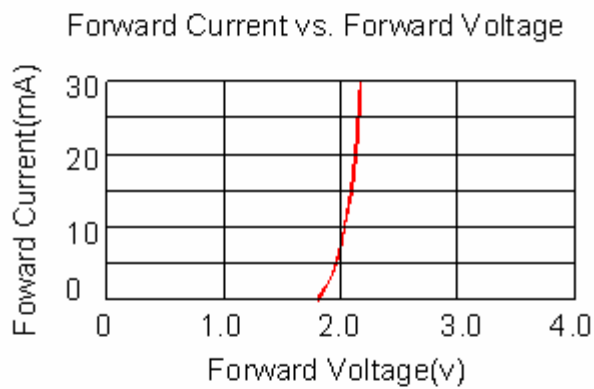
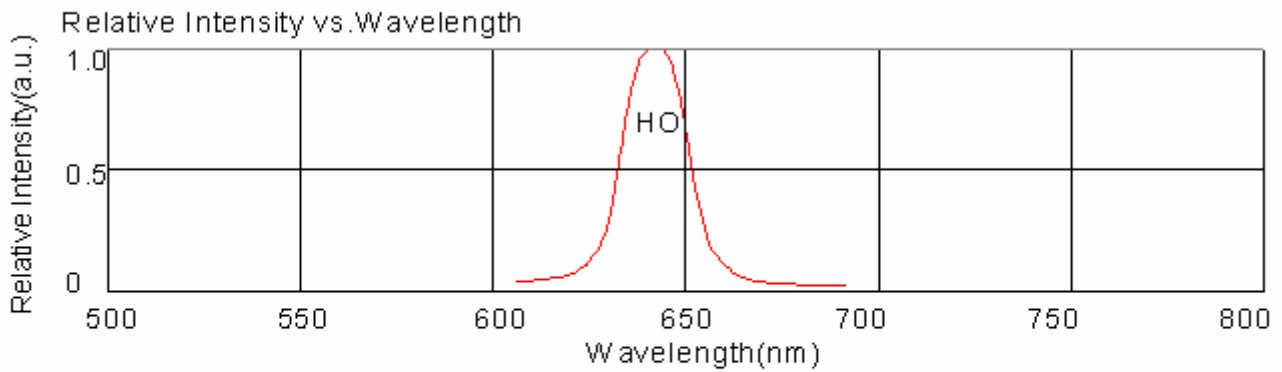
Parameter	Maximum Rating	Unit
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Power Dissipation (Tamb≤60°C)	75	mW
Continuous Forward Current	20	mA
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +80°C	
Storage Temperature Range	-40°C to +100°C	
Wave Soldering Profile For Lead Free Soldering	260°C for 5 Sec	

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	IV		10		mcd	I <sub>F</sub> =20mA
Viewing Angle	2θ <sub>1/2</sub>		170		deg	I <sub>F</sub> =20mA
Dominant Wavelength	λ <sub>d</sub>		620		nm	I <sub>F</sub> =20mA
Peak Emission Wavelength	λ <sub>p</sub>		630		nm	I <sub>F</sub> =20mA
Spectral Line Half-Width	Δλ		30		nm	I <sub>F</sub> =20mA
Forward Voltage	V <sub>F</sub>		2.0		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.

## TYPICAL ELECTRICAL / OPTICAL CHARACTER CURVES



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