

TOL-30bHOaFAa

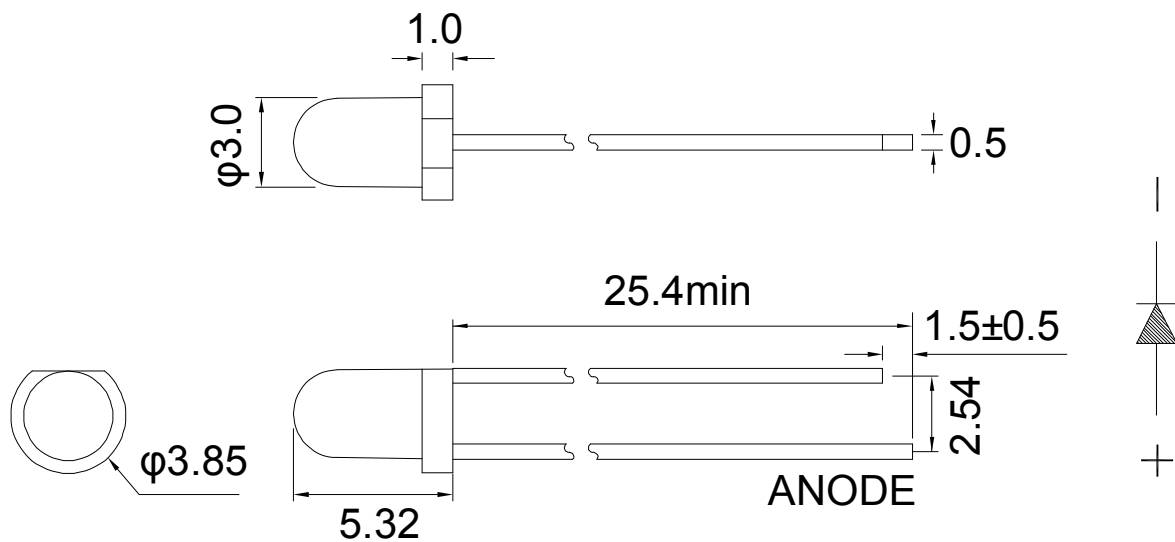
Lamp LED

Part Number	Chip		Lens Color
	Material	Source Color	
TOL-30bHOaFAa	GaAsP	High Orange	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 +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	Iv	15	25		mcd	I _F =20mA
		4.1	6.5		mcd	I _F =5mA
Viewing Angle	2θ _{1/2}		65		deg	I _F =20mA
Dominant Wavelength	λ _d	618	621	624	nm	I _F =20mA
Spectral Line Half-Width	Δλ		35		nm	I _F =20mA
Forward Voltage	V _F	1.8	2.0	2.4	V	I _F =20mA
		1.7	1.9	2.2	V	I _F =5mA
Reverse Current	I _R			<100	μA	V _R =5V

* Please refer to CIE 1931 chromaticity diagram.