

TOL-30bHYaDAa

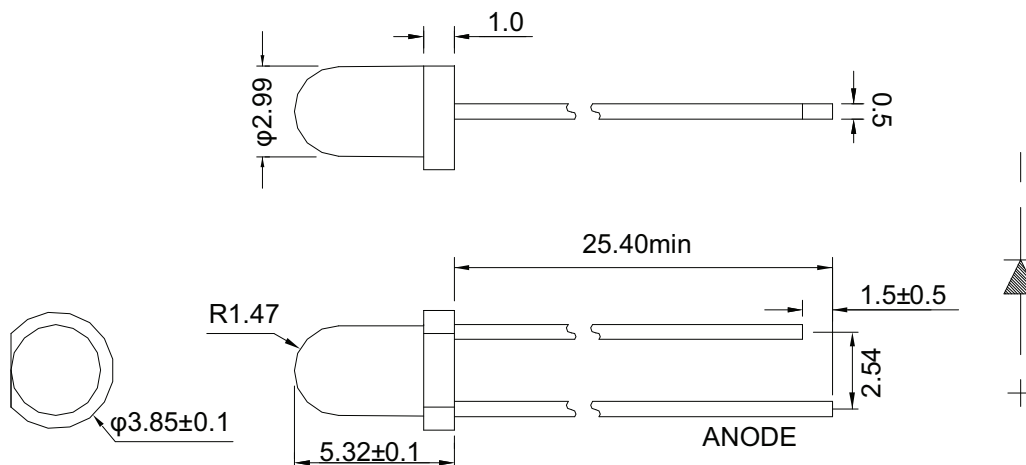
Lamp LED

Part Number	Chip		Lens Color
	Material	Source Color	
TOL-30bHYaDAa	GaAsP	Hi Yellow	Yellow Diffused

Features

- I.C. compatible.
- Low power consumption.
- Compatible with wave soldering process.
- 3.10mm 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	75	mW
Continuous Forward Current	30	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	I _v		21.7		mcd	I _F =20mA
Viewing Angle	2θ _{1/2}		60		deg	I _F =20mA
Dominant Wavelength	λ _d		590		nm	I _F =20mA
Spectral Line Half-Width	Δλ		35		nm	I _F =20mA
Forward Voltage	V _F		2.0		V	I _F =20mA
Reverse Current	I _R			10	μA	V _R =5V

* Please refer to CIE 1931 chromaticity diagram.

Bin Code List for Reference

Luminous Intensity		Unit : mcd@20mA
Bin Code	Min	Max
B21	13.9	17.3
B22	17.3	21.7
B23	21.7	27.1
B24	27.1	33.9
B25	33.9	42.4

Tolerance of Luminous Intensity on each bin is $\pm 11\%$.

Forward Voltage		Unit : V@20mA
Bin Code	Min	Max
V05	1.8	2.0
V06	2.0	2.2
V07	2.2	2.4

Tolerance for each Forward Voltage Bin is $\pm 0.1V$.

Dominant Wavelength		Unit: nm@20mA
Bin Code	Min	Max
84	586	588
85	588	590
86	590	592
87	592	594
88	594	596

Tolerance of Dominant Wavelength on each bin is $\pm 1nm$

