

TOL-305UY8D

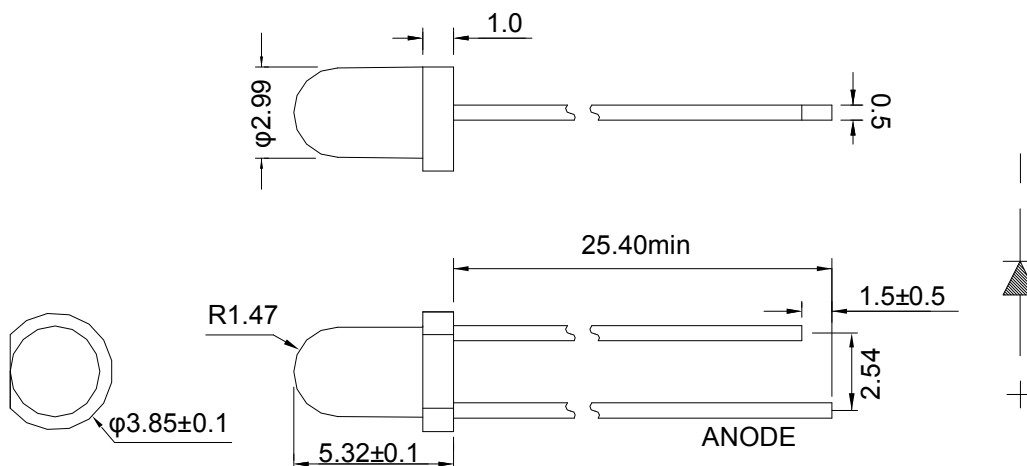
Lamp LED

Part Number	Chip		Lens Color
	Material	Source Color	
TOL-305UY8D	GaAsP	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 ± 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	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		126		mcd	$I_F=2mA$
Viewing Angle	$2\theta_{1/2}$		50		deg	$I_F=2mA$
Dominant Wavelength	λ_d		590		nm	$I_F=2mA$
Spectral Line Half-Width	$\Delta\lambda$		35		nm	$I_F=2mA$
Forward Voltage	V_F		1.8		V	$I_F=2mA$
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
B28	66	83
B29	83	103
B30	103	129
B31	129	162
B32	162	202
B33	202	252

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