

# TOL-34EUBAC

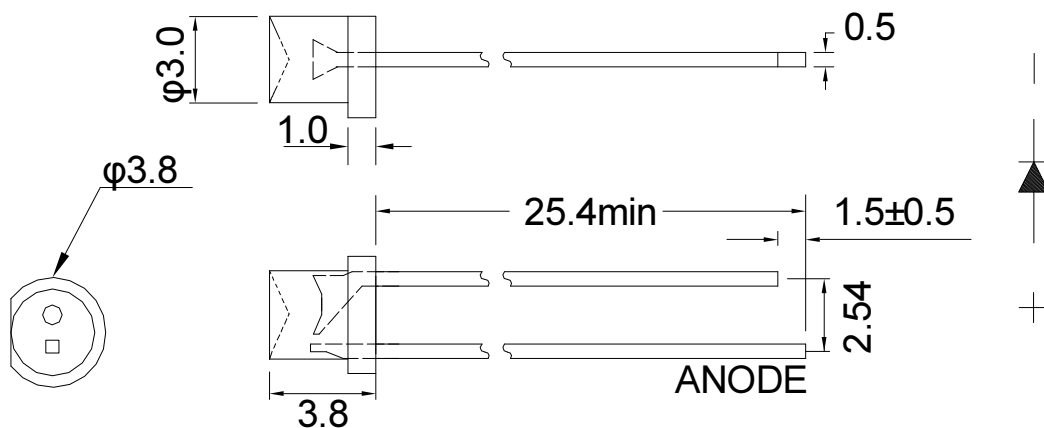
## Lamp LED

Part Number	Chip		Lens Color
	Material	Source Color	
TOL-34EUBAC	InGaN	Blue	Water Clear

### Features

- I.C. compatible.
- Low power consumption.
- Compatible with wave soldering process.
- 3.0mm 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	105	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	$I_v$		252		mcd	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$		120		deg	$I_F=20\text{mA}$
Dominant Wavelength	$\lambda_d$		22		nm	$I_F=20\text{mA}$
Spectral Line Half-Width	$\Delta\lambda$		470		nm	$I_F=20\text{mA}$
Forward Voltage	VF		2.0		V	$I_F=20\text{mA}$
Reverse Current	$I_R$			10	$\mu\text{A}$	$V_R=5\text{V}$

\* Please refer to CIE 1931 chromaticity diagram.

### Bin Code List for Reference

Luminous Intensity		Unit : mcd@20mA	
Bin Code	Min	Max	
B31	129	162	
B32	162	202	
B33	202	252	
B34	252	316	
B35	316	394	

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

Forward Voltage		Unit : V@20mA	
Bin Code	Min	Max	
V10	2.8	3.0	
V11	3.0	3.2	
V12	3.2	3.4	
V13	3.4	3.6	

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

Dominant Wavelength		Unit : nm@20mA	
Bin Code	Min	Max	
23	464	466	
24	466	468	
25	468	470	
26	470	470	
27	472	474	

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