

TOL-34EUBEW

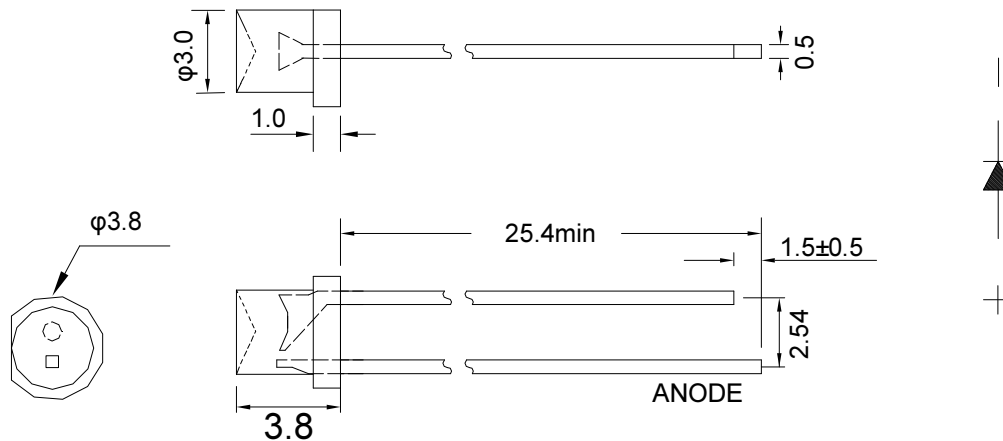
Lamp LED

Part Number	Chip		Lens Color
	Material	Source Color	
TOL-34EUBEW	InGaN	Blue	White Diffused

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	Test Condition
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA	1/10 duty cycle@1kHz
Power Dissipation (T _{amb} ≤60°C)	75	mW	T _{amb} ≤60°C
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	3s≤t≤5s, 3mm from body

Electrical / Optical Characteristic @ Ta=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v	430		560	mcd	I _F =20mA
Viewing Angle	2θ _{1/2}		150		deg	I _F =20mA
Dominant Wavelength	λ _d	464	468	472	nm	I _F =20mA
Peak Emission Wavelength	λ _p		470		nm	I _F =20mA
Spectral Line Half-Width	Δλ		35		nm	I _F =20mA
Forward Voltage	V _F	2.8	3.2	3.8	V	I _F =20mA
Reverse Current	I _R			<100	μA	V _R =5V