

TOL-50bOBbWGa

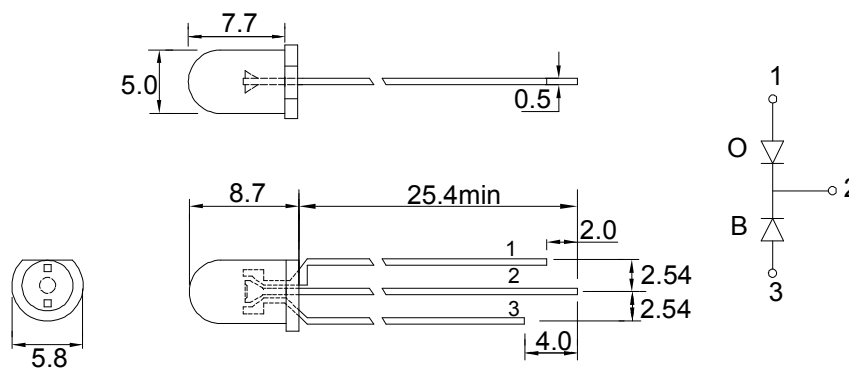
Lamp LED

Part Number	Chip		Lens Color
	Material	Source Color	
TOL-50bOBbWGa	AlGaInP/InGaN	Orange / Blue	White Diffused

Features

- I.C. compatible.
- Low power consumption.
- Compatible with wave soldering process.
- 5.0mm diameter package.
- Orange/Blue opposite polarity.
- Long life, stable reliable.
- RoHS complian

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 (Tamb≤60°C)	105	mW
Continuous Forward Current	20	mA
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	Orange			Blue			Unit	Test Condition
		Min.	Typ.	Max.	Min.	Typ.	Max.		
Luminous Intensity	Iv		135			180		mcd	I _F =20mA
Viewing Angle	2θ _{1/2}		100			100		deg	I _F =20mA
Dominant Wavelength	λ _d		605			470		nm	I _F =20mA
Spectral Line Half-Width	Δλ		15			35		nm	I _F =20mA
Forward Voltage	V _F		2.0			3.0		V	I _F =20mA
Reverse Current	I _R			10			10	μA	V _R =5V