

TOL-50bRGdWGa

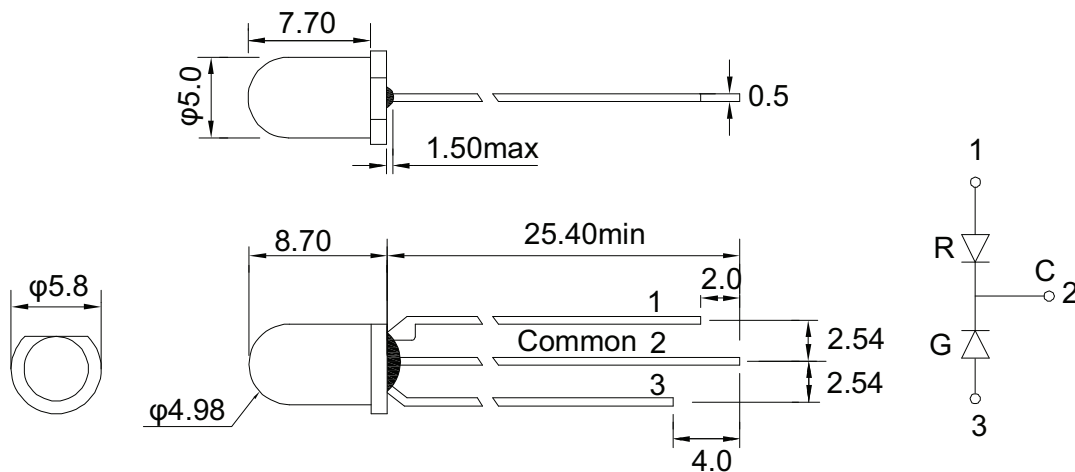
Lamp LED

Part Number	Chip		Lens Color
	Material	Source Color	
TOL-50bRGdWGa	AlGaAs/ GaP	Red/Green	White Diffused

Features

- I.C. compatible.
- Low power consumption.
- Compatible with wave soldering process.
- 5mm diameter package.
- Common cathode.
- 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	90	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	Red			Green			Unit	Test Condition
		Min.	Typ.	Max.	Min.	Typ.	Max.		
Luminous Intensity	I _v		75			30		mcd	I _F =20mA
Viewing Angle	2θ _{1/2}		60			60		deg	I _F =20mA
Dominant Wavelength	λ _d		640			570		nm	I _F =20mA
Spectral Line Half-Width	Δλ		20			30		nm	I _F =20mA
Forward Voltage	V _F		2.0			2.0		V	I _F =20mA
Reverse Current	I _R			10			10	μA	V _R =5V