

TOL-30aRGbWRa

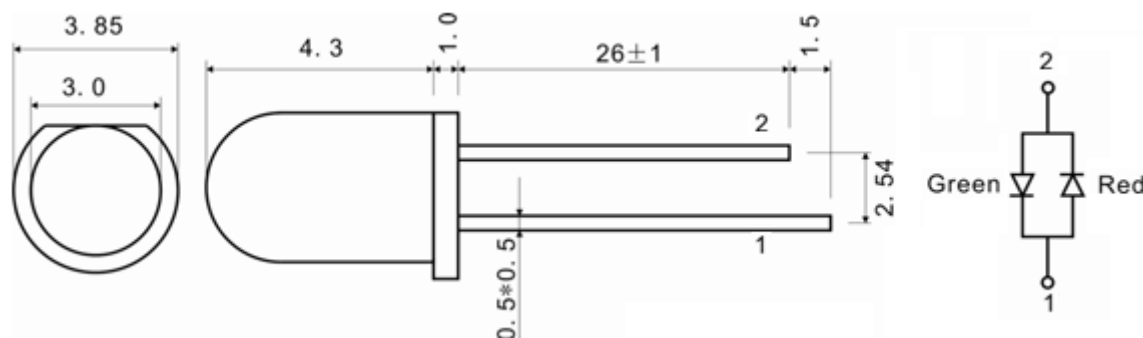
Lamp LED

Part Number	Chip		Lens Color
	Material	Source Color	
TOL-30aRGbWRa	AlGaAs / GaP	Red/Green	White Diffused

Features

- I.C. compatible.
- Low power consumption.
- Compatible with wave soldering process.
- 3mm diameter package.
- Red /Green opposite polarity.
- Long life, stable and reliable.
- RoHS compliant.

Dimensions



Notes:

1. All dimensions are in millimeter.
2. Tolerance is ±0.25mm unless otherwise noted.

Absolute Maximum Rating @ Ta=25°C

Parameter	Maximum Rating		Unit
	R	G	
Power Dissipation	75	75	mW
Continuous Forward Current	30	30	mA
Reverse Voltage	5	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, 5 Seconds		

Electrical / Optical Characteristic @ Ta=25°C

Parameter	Symbol	Red			Green			Unit	Test Condition
		Min.	Typ.	Max.	Min.	Typ.	Max.		
Luminous Intensity	I _v	21.7	-	129	13.9	-	83	mcd	I _F =20mA
Viewing Angle	2θ _{1/2}	-	45	-	-	45	-	deg	I _F =20mA
Dominant Wavelength	λ _d	635	-	645	564	-	574	nm	I _F =20mA
Spectral Line Half-Width	Δλ	-	18	-	-	20	-	nm	I _F =20mA
Forward Voltage	V _F	1.8	-	2.4	1.8	-	2.4	V	I _F =20mA
Reverse Current	I _R	-	-	10	-	-	10	μA	V _R =5V

* Please refer to CIE 1931 chromaticity diagram.

Package Description



FIG.1



FIG.2

