

TOL-30mRGdWHa

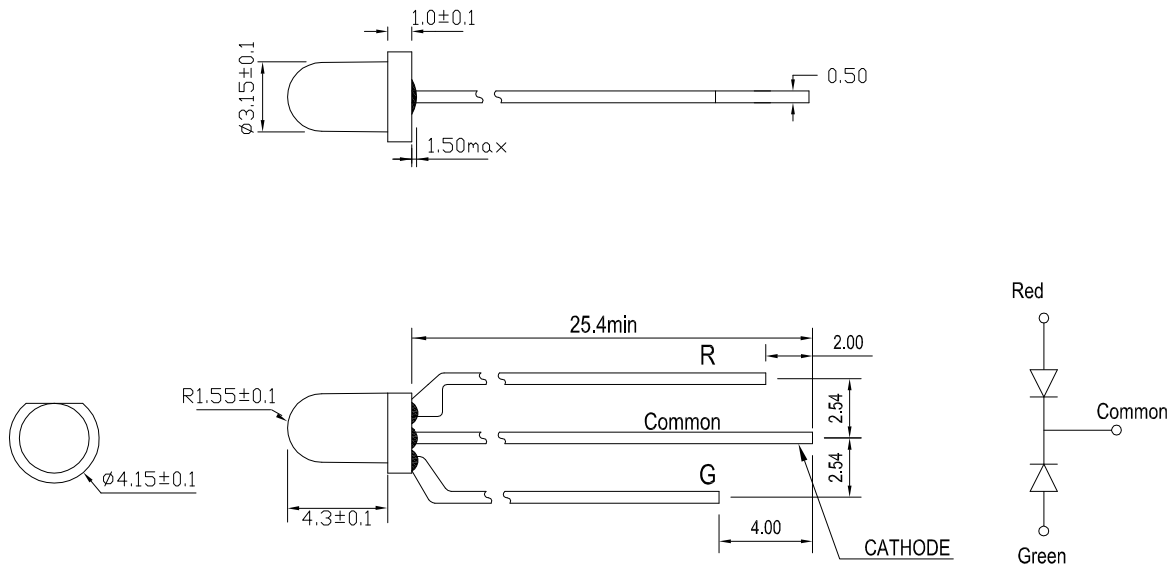
Lamp LED

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

Features

- I.C. compatible.
- Low power consumption.
- Compatible with wave soldering process.
- 3mm diameter package
- Common cathode.
- 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	75	mW
Continuous Forward Current	30	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 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	30	60		20	40		mcd	$I_F=20mA$
Viewing Angle	$2\theta_{1/2}$		50			50		deg	$I_F=20mA$
Dominant Wavelength	λ_d	635	640	645	566	572	576	nm	$I_F=20mA$
Spectral Line Half-Width	$\Delta\lambda$		20			30		nm	$I_F=20mA$
Forward Voltage	V_F	1.8	2.0	2.4	1.8	2.2	2.4	V	$I_F=20mA$
Reverse Current	I_R			10			10	μA	$V_R=5V$

- Please refer to CIE 1931 chromaticity diagram.