

# VISIBLE LIGHT EMITTING DIODE

## DATA SHEET

MODEL NO: GT5-5RY07W0615G

REV. : 2.0

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DATE : 11-MAY.-2009

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■ DESCRIPTIONS:

- 5mm Round lamp
- Lens color: White Diffused
- Emitting Color: Red and Yellow
- No Stopper
- Dice Material: Red AlGaInP

Yellow AlGaInP

■ APPLICATIONS:

- TV set
- Monitor
- Telephone
- Computer
- circuit board



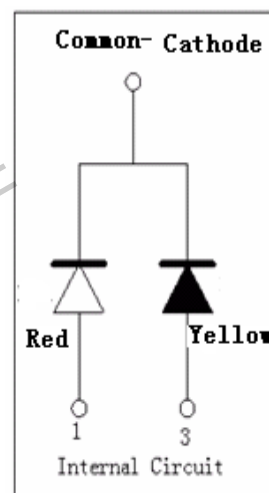
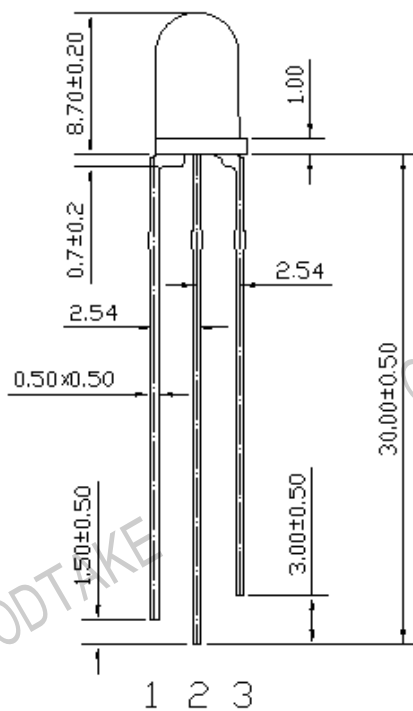
■ ABSOLUTE MAXIMUM RATINGS (Tamb=25,unless otherwise specified)

Parameter	Test condition	Symbol	Ratings	Unit
Forward Current		IF	25	mA
Power Dissipation		PD	80	mW
Peak Forward Current	tp/T=0.1,tp=100μs	IFP	100	mA
Reverse voltage		VR	5	V
Operating Temperature		Topr	-40~+85	°C
Storage Temperature		Tstg	-40~+100	°C
Soldering Temperature		Tsol	260°C for 5 sec Max (2mm from Body)	

## Basic Characteristics (Tamb=25, unless otherwise specified)

Parameter	Symbol		Min.	Type	Max.	Unit	Test Condition
Forward Voltage	VF	Red		2.0	2.8	V	IF=20mA
		Yellow		2.1	2.5		
Luminous Intensity	Iv	Red	140	195	—	mcd	IF=20mA
		Yellow	200	270	—		
Reverse Current	IR				1	μA	VR=5V
Peak Wavelength	λp	Red		640	645	nm	IF=20mA
		Yellow		582	590		
Dominant Wavelength	λp		630			nm	IF=20mA
			565				
View Angle	2θ1/2	Red		50		deg	IF=20mA
		Yellow	ε	50			

### ● Dimensions:



**NOTE:** 1. All dimensions are in millimeter, tolerance is ±0.5 unless otherwise noted.

2. Epoxy meniscus extends ≤1 mm down to the lead is allowed.

GOODTAKE INTERNATIONAL LTD.

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■ **Typical electro-optical characteristics curves**

