

# RL070TWYG4

Yellow/Green

3.8 x1.8mm, Rectangle Body, 5.2mm Height  
125° viewing angle

DWG BY:  
BL / GP  
06-28-12

CHK BY:  
PL  
06-28-12

REVISION LTR: -  
  
06-28-12

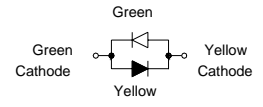
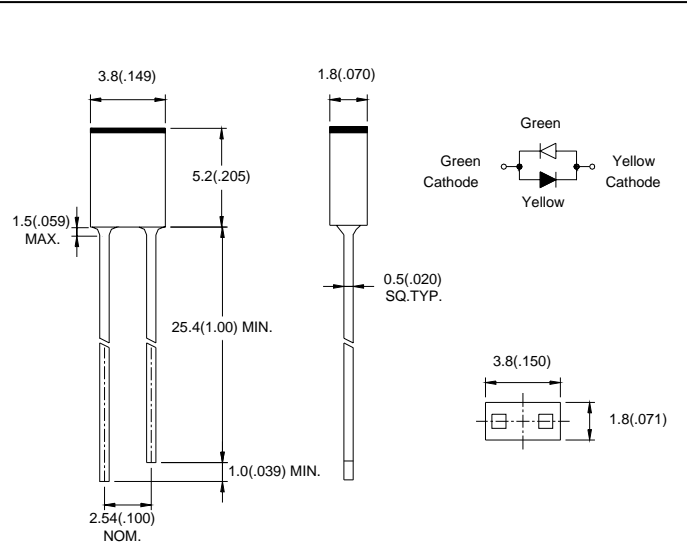
● **Features:**

1. Chip material: GaAsP/GaP(yellow) and GaP/GaP(green)
2. Emitted color : yellow and green
3. Lens Appearance : white diffused
4. Low power consumption.
5. High efficiency.
6. Versatile mounting on P.C. Board or panel.
7. Low current requirement.
8. T-1 3/4 type package.
9. This product is RoHS compliant.

● **Applications:**

1. TV set
2. Monitor
3. Telephone
4. Computer
5. Circuit board

● **Package dimensions:**



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25\text{mm}$  (0.01") unless otherwise specified.
3. Lead spacing is measured where the leads emerge from the package.
4. Specifications are subject to change without notice.

● **Absolute Maximum Ratings(Ta=25°C)**

Parameter	Symbol	Yellow	Green	Unit
Power Dissipation	Pd	80	80	mW
Forward Current	I <sub>F</sub>	30	30	mA
Peak Forward Current* <sup>1</sup>	I <sub>FP</sub>	150	150	mA
Operating Temperature	Topr	-40°C ~80°C		
Storage Temperature	Tstg	-40°C ~85°C		
Soldering Temperature	Tsol	260°C (for 5 seconds)		

\*<sup>1</sup>Condition for I<sub>FP</sub> is pulse of 1/10 duty and 0.1msec width.

● **Electrical and optical characteristics(Ta=25°C)**

Parameter	Symbol	Condition	Color	Min.	Typ.	Max.	Unit
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	Yellow Green	-	2.1 2.2	2.6 2.6	V
Luminous Intensity	I <sub>v</sub>	I <sub>F</sub> =20mA	Yellow Green	-	6.0 8.0	-	mcd
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	Yellow Green	-	-	100	μA
Peak Wave Length	λ <sub>p</sub>	I <sub>F</sub> =20mA	Yellow Green	581 565	585 566	591 568	nm
Dominant Wave Length	λ <sub>d</sub>	I <sub>F</sub> =20mA	Yellow Green	585 570	587 571	591 573	nm
Spectral Line Half-width	Δλ	I <sub>F</sub> =20mA	Yellow Green	-	36 30	-	nm
Viewing Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =20mA	Yellow Green	-	125	-	deg
Chromaticity Coordinates	X	I <sub>F</sub> =20mA	Yellow	-	0.55	-	
	Y				0.44		
Chromaticity Coordinates	X	I <sub>F</sub> =20mA	Green	-	0.45	-	
	Y				0.54		

● **Typical Electro-Optical Characteristics Curves**

