

Features:

1. Chip material: GaPGaP (Red)

and GaPGaP (Green)

2. Emitted color: Red and Green

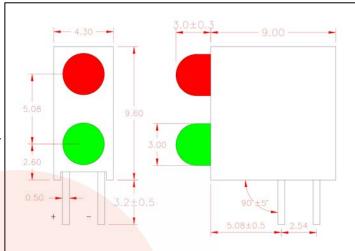
Lens Appearance : Red Diffused and Green Diffused

- 4. Designed for ease in circuit board assembly.
- 5. Black case enhance contrast ratio.
- 6. Solid state light source.
- 7. Reliable and rugged.
- 8. This product don't contained restriction substance, compliance RoHS standard.

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 ±0.25mm (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	Green	Red	Unit
Power Dissipation	Pd	80	80	mW
Forward Current	I _F	30	30	mA
Peak Forward Current*1	I _{FP}	150	150	mA
Reverse Voltage	V _R	Ę	V	
Operating Temperature	Topr	-40℃		
Storage Temperature	Tstg	-40℃~		
Soldering Temperature	Tsol	260°C max(fo		
Hand Soldering Temperature	Tsol	350°C max(for 3		

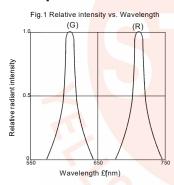
^{*1}Condition for I_{FP} is pulse of 1/10 duty and 0.1msec width.

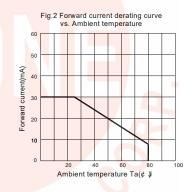


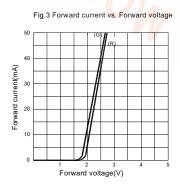
■ Electrical and optical characteristics(Ta=25°C)

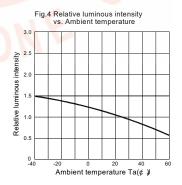
Parameter	Symbol	Condition	Color	Min.	Тур.	Max.	Unit		
Forward Voltage	V _F	I _F =20mA	Green Red	1.8 1.8	-	2.6 2.4	V		
Luminous Intensity	lv	I _F =20mA	Green Red	40 1.0	-	80 10	mcd		
Reverse Current	I _R	V _R =5V	Green Red	-	-	100	μА		
Peak Wave Length	λр	I _F =20mA	Green Red	-	570 700	-	nm		
Dominant Wave Length	λd	I _F =20mA	Green Red	565 630	-	575 650	nm		
Spectral Line Half-width	Δλ	I _F =20mA	Green Red	-	30 35		nm		
Viewing Angle	2θ _{1/2}	I _F =20mA	Green Red	-	35 50	-	deg		

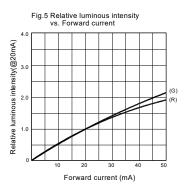
Typical electro-optical characteristics curves

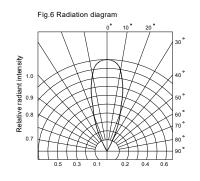






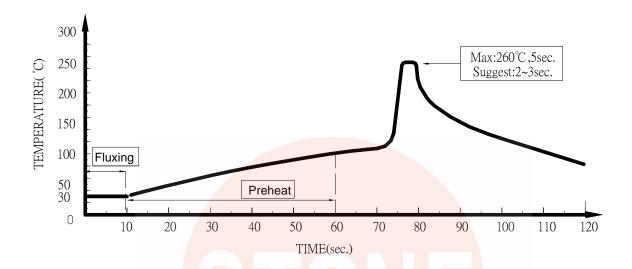








Dip Soldering



- Please avoid any external stress applied to the lead-frames and epoxy while the LEDs are at high temperature, especially during soldering
- 2. DIP soldering and hand soldering should not be done more than one time.
- 3. After soldering, avoid the epoxy lens from mechanical shock or vibration until the LEDs are back to room temerature.
- 4. Avoid rapid cooling during temperature ramp-down process
- 5. Although the soldering condition is recommended above, soldering at the lowest possible temperature is feasible for the LEDs

● IRON Soldering

A: Max: 350°C Within 3 sec. One time only.

B: For 3mm LED without flange, if the LED epoxy lays flat on the PCB, the welding condition is 350°C within 2 seconds, one time only.

