

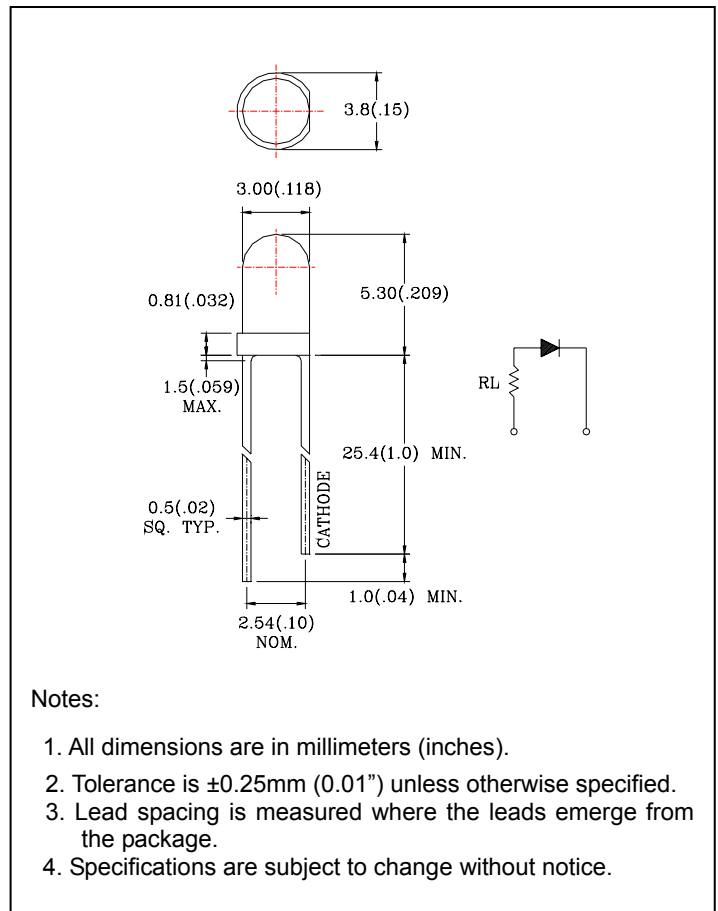
## ● Features:

1. Chip material: GaP/GaP
2. Emitted color : Green
3. Lens Appearance : Green Diffused
4. For DC and pulse operation.
5. With current limiting resistor for 12V
6. TTL & CMOS compatible.
7. 3mm diameter package.
8. Internal Resistor 800Ω
9. 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:



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

Parameter	Symbol	Rating	Unit
Power Dissipation	Pd	80	mW
Peak Forward Current* <sup>1</sup>	I <sub>FP</sub>	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	Min.	Typ.	Max.	Unit
Forward Current	$I_F$	$V_F=12V$	-	8	12	mA
Luminous Intensity	$I_v$	$V_F=12V$	-	20	-	mcd
Peak Wave Length	$\lambda_p$	$V_F=12V$	-	568	-	nm
Dominant Wave Length	$\lambda_d$	$V_F=12V$	560	-	576	nm
Spectral Line Half-width	$\Delta \lambda$	$V_F=12V$	-	30	-	nm
Viewing Angle	$2\theta_{1/2}$	$V_F=12V$	-	35	-	deg

## ● Typical electro-optical characteristics curves

Fig.1 Relative intensity vs. Wavelength

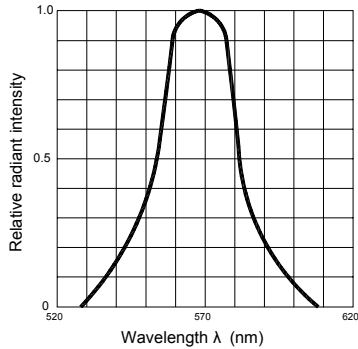


Fig.2 Forward current derating curve vs. Ambient temperature

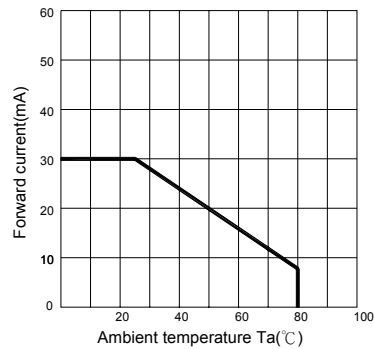


Fig.3 Forward current vs. Forward voltage

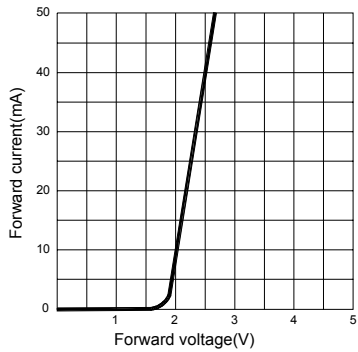


Fig.4 Relative luminous intensity vs. Ambient temperature

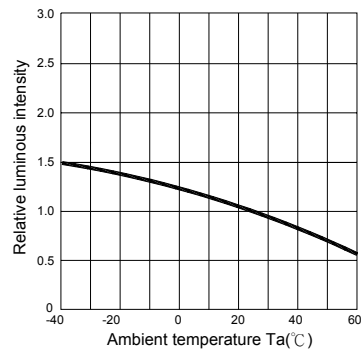


Fig.5 Relative luminous intensity vs. Forward current

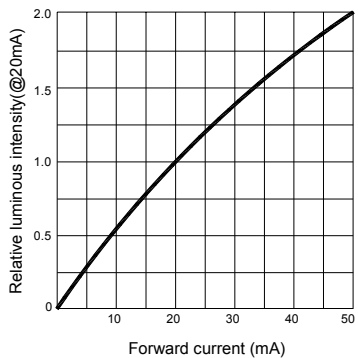


Fig.6 Radiation diagram

