

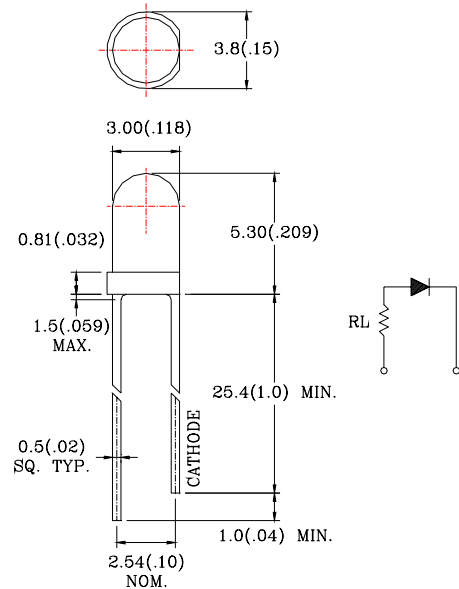
● Features:

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:



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	Rating	Unit
Power Dissipation	Pd	80	mW
Peak Forward Current* ¹	I _{FP}	150	mA
Operating Temperature	Topr	-40℃~80℃	
Storage Temperature	Tstg	-40℃~85℃	
Soldering Temperature	Tsol	260℃(for 5 seconds)	

*¹Condition for I_{FP} 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	λ_p	$V_F=12V$	-	568	-	nm
Dominant Wave Length	λ_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

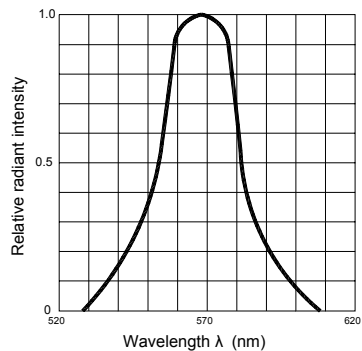


Fig.2 Forward current derating curve vs. Ambient temperature

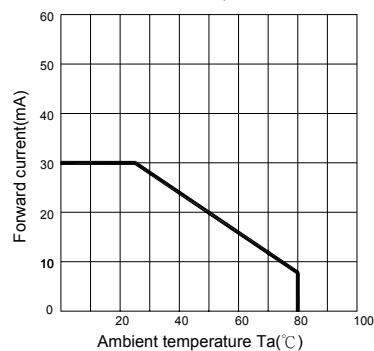


Fig.3 Forward current vs. Forward voltage

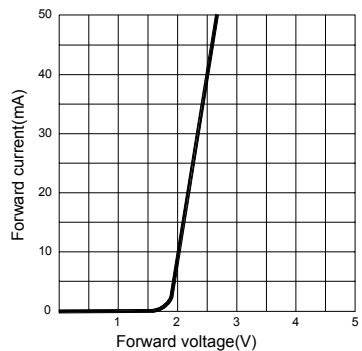


Fig.4 Relative luminous intensity vs. Ambient temperature

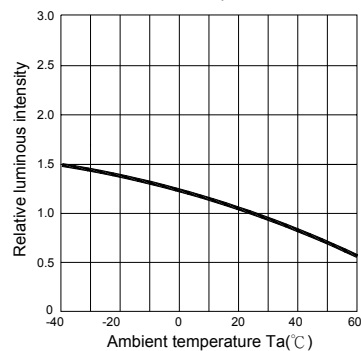


Fig.5 Relative luminous intensity vs. Forward current

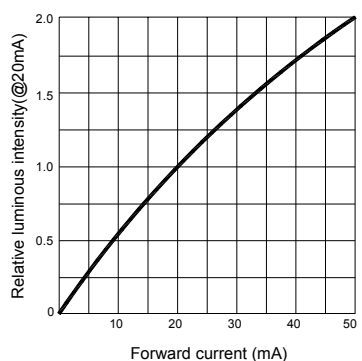


Fig.6 Radiation diagram

