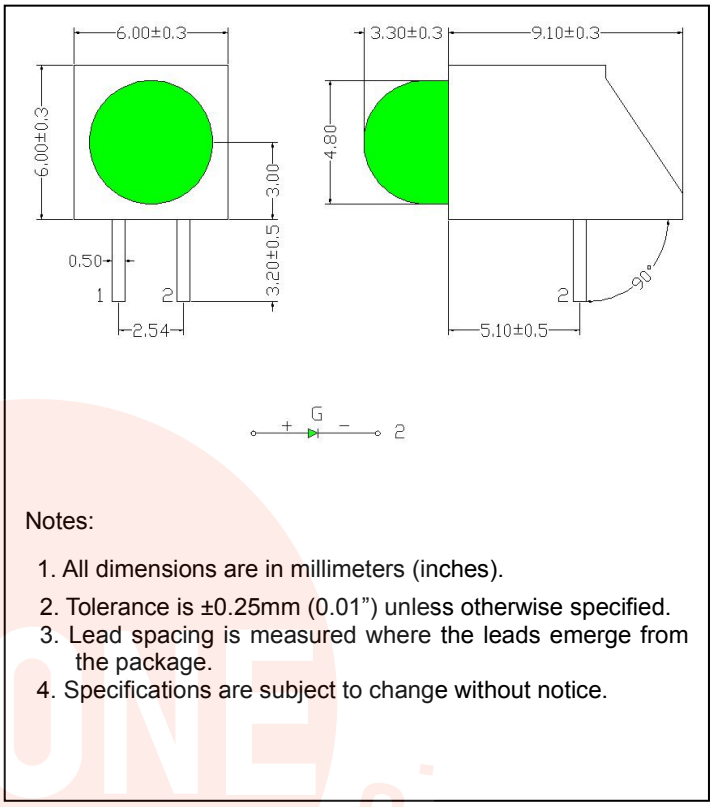
● Features:

1. Chip material: AlInGaP
2. Emitted color : Green
3. Lens Appearance : 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.

● 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.

● Applications:

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

● Absolute Maximum Ratings(Ta=25℃)

Parameter	Symbol	Rating	Unit
Power Dissipation	Pd	75	mW
Forward Current	I_F	30	mA
Peak Forward Current	I_{FP}	80	mA
Reverse Voltage	V_R	5	V
Operating Temperature	Topr	-40℃~85℃	
Storage Temperature	Tstg	-40℃~100℃	
Soldering Temperature	Tsol	260℃max (for 5 seconds)	
Hand Soldering Temperature	Tsol	350℃max(for 3 seconds)	

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

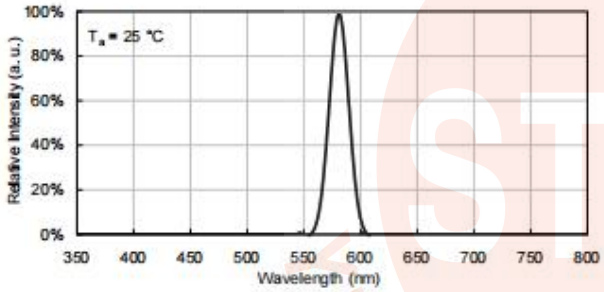
● Electrical and optical characteristics(Ta=25℃)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	I_F=20mA	1.8	2.1	2.4	V
Luminous Intensity	Iv	I_F=20mA	80	160	320	mcd
Reverse Current	I_R	V_R=5V	-	-	10	μA
Peak Wave Length	λ p	I_F=20mA	-	572	-	nm
Dominant Wave Length	λ d	I_F=20mA	566	570	574	nm
Spectral Line Half-width	Δ λ	I_F=20mA	-	30	-	nm
Viewing Angle	$2\theta_{1/2}$	I_F=20mA	-	55	-	deg

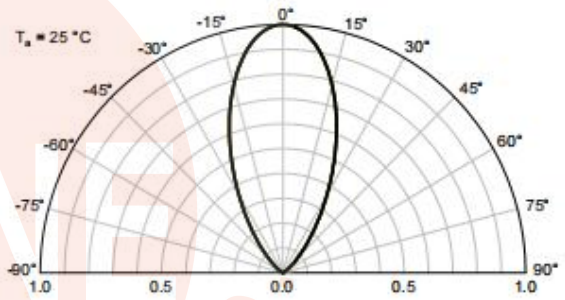
● Typical electro-optical characteristics curves

TECHNICAL DATA

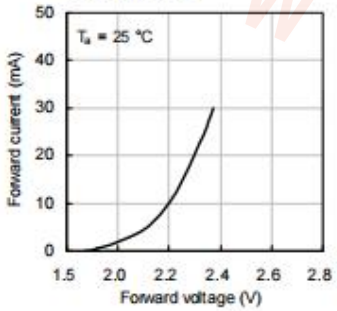
RELATIVE INTENSITY vs. WAVELENGTH



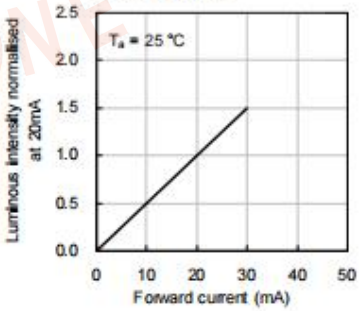
SPATIAL DISTRIBUTION



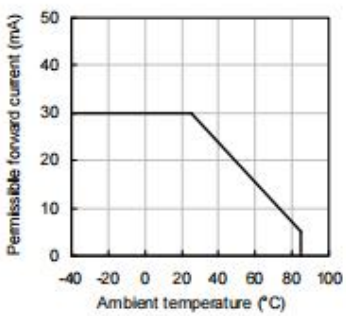
Forward Current vs. Forward Voltage



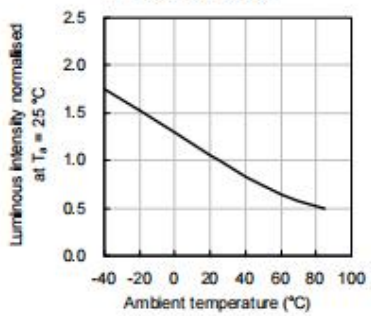
Luminous Intensity vs. Forward Current



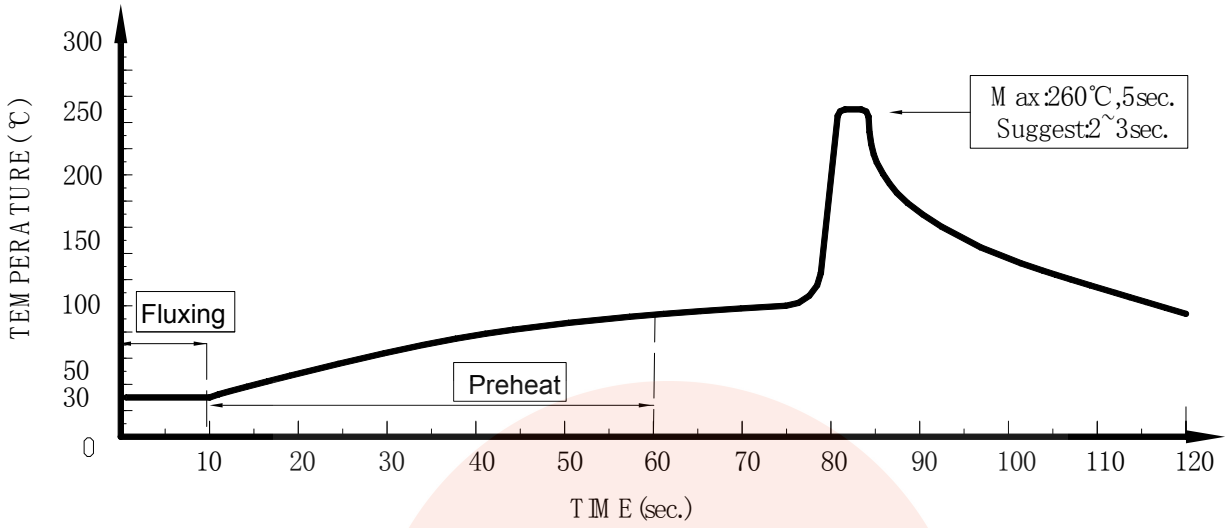
Forward Current Derating Curve



Luminous Intensity vs. Ambient Temperature



●Dip Soldering



1. 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℃ Within 3 sec. One time only.

B：The products of 3mm without flange, welding condition of flat plate PCB Max：350℃ Within 2 sec. One time only