

Features:

Chip material: InGaN
 Emitted color : 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.

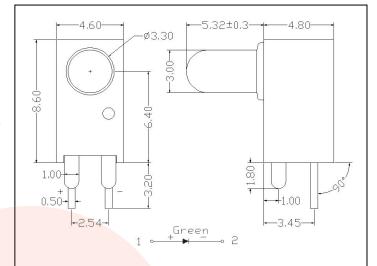
8. 3mm diameter package

 The product contains no restricted substances, and contains low halogen content, which is in line with the 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	Rating	Unit	
Power Dissipation	Pd	110	mW	
Forward Current	l _F	30	mA	
Peak Forward Current*1	I _{FP}	100	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)		

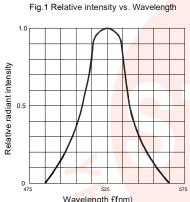
^{*1}Condition for I_{FP} is pulse of 1/10 duty and 0.1msec width.



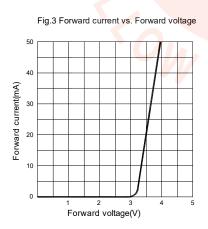
Electrical and optical characteristics(Ta=25℃)

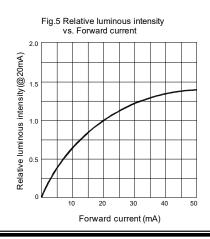
Parameter	Symbol	Condition	Min.	Тур.	Max.	Unit
Forward Voltage	V _F	I _F =20mA	2.8	3.1	3.8	V
Luminous Intensity	lv	I _F =20mA	1300	2500	-	mcd
Reverse Current	I _R	V _R =5V	-	-	10	μΑ
Peak Wave Length	λр	I _F =20mA	-	530	-	nm
Dominant Wave Length	λd	I _F =20mA	520	-	535	nm
Spectral Line Half-width	Δλ	I _F =20mA	-	30	-	nm
Viewing Angle	2θ _{1/2}	I _F =20mA	-	40	-	deg

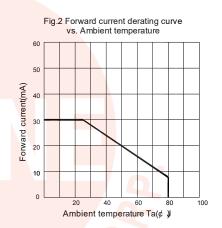
Typical electro-optical characteristics curves

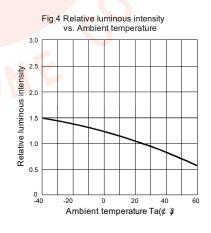


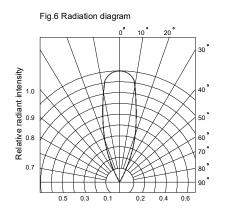
Wavelength £(nm)



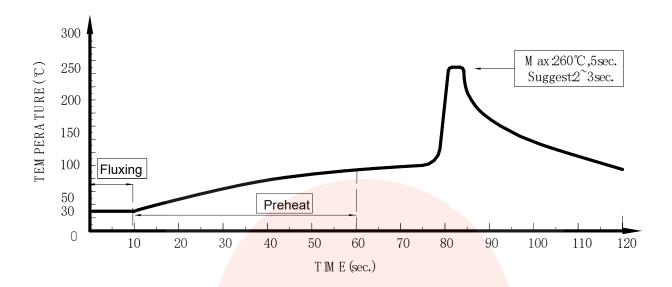








Dip Soldering



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

