



AND7GA

InGaN Ultra Bright Green Light Low Profile Surface Mount Package

Features

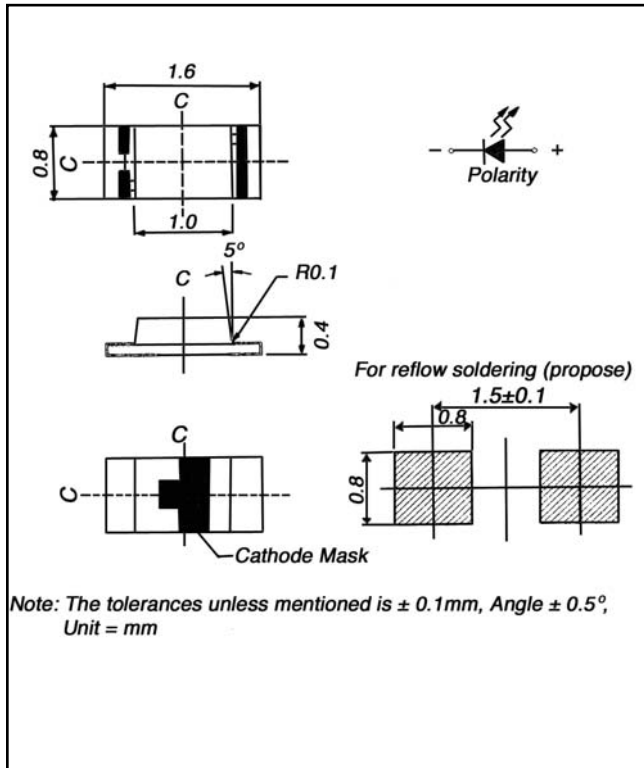
- 0.40 mm height
- **RoHS Compliant**
- Compatible with automatic placement equipment.
- Compatible w/ infrared & vapor phase reflow solder process.

Applications

- Backlighting in auto dashboard & switch.
- Flat backlight for LCD, switch & symbol.
- General use for miniature applications.

Maximum Ratings ($T_a = 25^\circ\text{C}$)

Characteristics	Symbol	Rating	Unit
Forward Current	I_F	30	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	110	mW
Operating Temp. Range	T_{Opr}	-40~ +85	$^\circ\text{C}$
Storage Temp. Range	T_{Stg}	-40~ +90	$^\circ\text{C}$
Soldering Temp. (for 5 seconds)	T_{Sol}	260	$^\circ\text{C}$
Electrostatic Discharge	ESD	150	V
Peak Forward Current (Duty 1/10 @ 1KHz)	I_F	100	mA

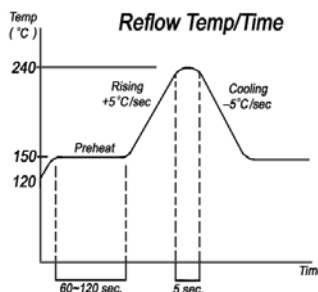
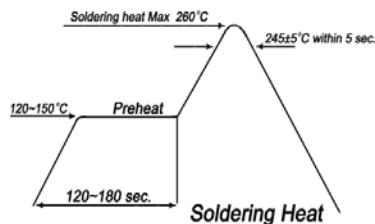


Electro-Optical Characteristics ($T_a = 25^\circ\text{C}$)

Characteristics	Symbol	Test Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V_F	$I_F = 5\text{ mA}$	—	3.0	—	V
Forward Voltage	V_F	$I_F = 20\text{ mA}$	—	3.5	4.3	V
Reverse Current	I_R	$V_R = 5\text{ V}$	—	—	50	μA
Luminous Intensity	I_V	$I_F = 5\text{ mA}$	—	60	—	mcd
Luminous Intensity	I_V	$I_F = 20\text{ mA}$	112	180	—	mcd
Peak Wavelength	λ_P	$I_F = 20\text{ mA}$	—	518	—	nm
Spectral Line Half Width	$\Delta\lambda$	$I_F = 20\text{ mA}$	—	36	—	nm
Dominant Wavelength	λ_d	$I_F = 20\text{ mA}$	—	525	—	nm
Full Viewing Angle	2θ	$I_F = 20\text{ mA}$	—	120	—	degree

Precautions:

1. Static electricity and surge can damage the LED. It is recommended to use wrist band or antistatic gloves when handling the LED.
2. Recommended solder condition:



Product specifications contained herein may be changed without prior notice. It is therefore advisable to contact Purdy Electronics before proceeding with the design of equipment incorporating this product.

