

AND7GA

InGaN Ultra Bright Green Light Low Profile Surface Mount Package

Features

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

Applications

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

Maximum Ratings (T_a = 25°C)

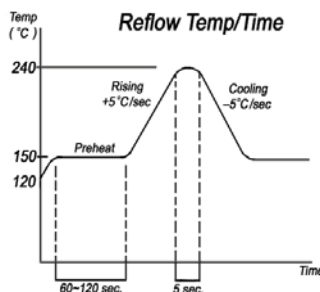
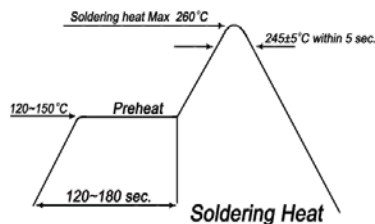
Characteristics	Symbol	Rating	Unit
Forward Current	I _F	30	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	110	mW
Operating Temp. Range	T _{Opr}	-40~ +85	°C
Storage Temp. Range	T _{Stg}	-40~ +90	°C
Soldering Temp. (for 5 seconds)	T _{Sol}	260	°C
Electrostatic Discharge	ESD	150	V
Peak Forward Current (Duty 1/10 @ 1KHz)	I _F	100	mA

Electro-Optical Characteristics (T_a = 25°C)

Characteristics	Symbol	Test Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F = 5 mA	-	3.0	-	V
Forward Voltage	V _F	I _F = 20 mA	-	3.5	4.3	V
Reverse Current	I _R	V _R = 5 V	-	-	50	μA
Luminous Intensity	I _V	I _F = 5 mA	-	60	-	mcd
Luminous Intensity	I _V	I _F = 20 mA	112	180	-	mcd
Peak Wavelength	λ _P	I _F = 20 mA	-	518	-	nm
Spectral Line Half Width	Δλ	I _F = 20 mA	-	36	-	nm
Dominant Wavelength	λ _d	I _F = 20 mA	-	525	-	nm
Full Viewing Angle	2 θ 1/2	I _F = 20 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.

