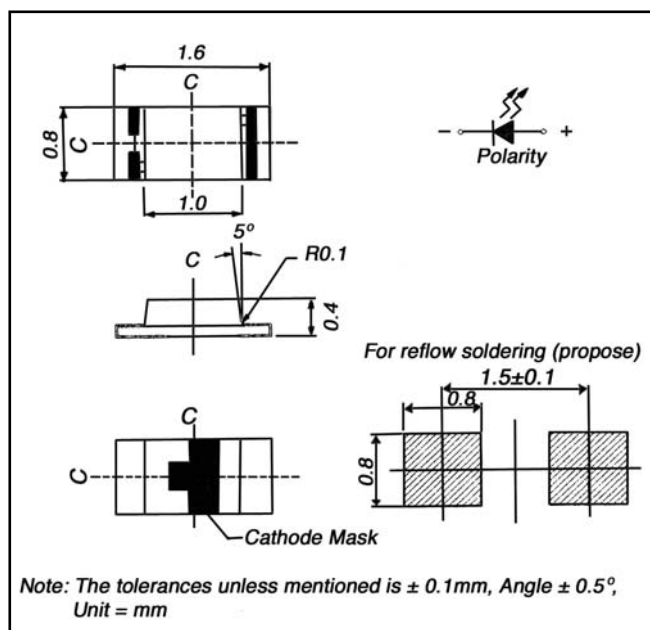




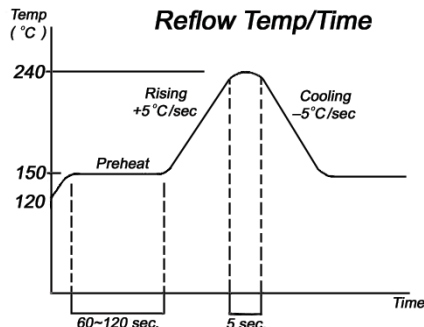
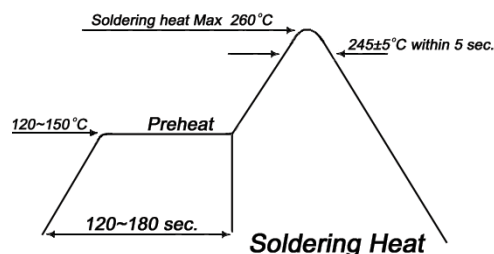
Product specifications contained herein may be changed without prior notice. It is therefore advisable to contact Purdy Electronics before proceeding with the design of equipment incorporating this product.

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

Characteristics	Symbol	Test Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V_F	$I_F = 5 \text{ mA}$	—	2.9	3.15	V
Forward Voltage	V_F	$I_F = 20 \text{ mA}$	—	3.4	—	V
Reverse Current	I_R	$V_R = 5 \text{ V}$	—	—	50	μA
Luminous Intensity	I_V	$I_F = 5 \text{ mA}$	28.5	45	—	mcd
Luminous Intensity	I_V	$I_F = 20 \text{ mA}$	—	140	—	mcd
Chromaticity Coordinates	x	$I_F = 20 \text{ mA}$	—	0.29	—	—
Chromaticity Coordinates	y	$I_F = 20 \text{ mA}$	—	0.30	—	—
Full Viewing Angle	2θ	$I_F = 20 \text{ mA}$	—	130	—	degree

Precautions:

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



AND7WA

InGaN Ultra Bright White 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 ($T_a = 25^\circ\text{C}$)

Characteristics	Symbol	Rating	Unit
Forward Current	I_F	25	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

