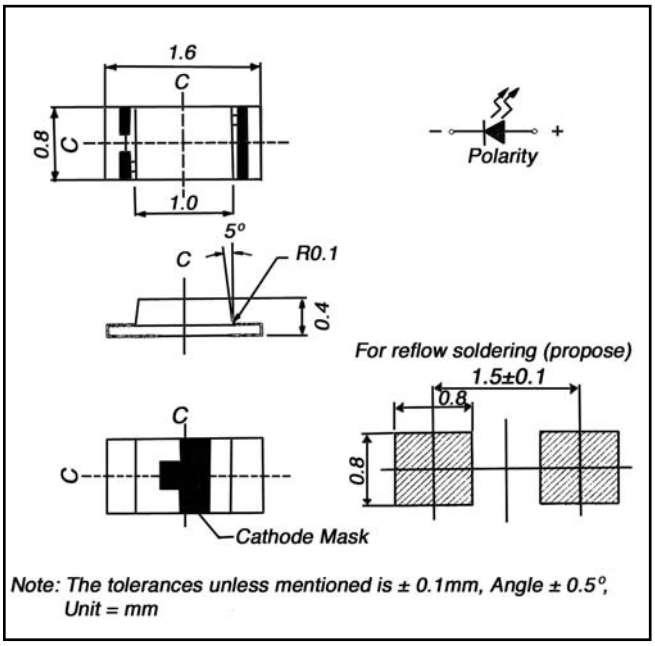

AND7BA

InGaN Ultra Bright Blue 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°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	°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

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°C)

Characteristics	Symbol	Test Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V_F	I_F = 5 mA	–	2.9	3.1	V
Forward Voltage	V_F	I_F = 20 mA	–	3.5	–	V
Reverse Current	I_R	V_R = 5 V	–	–	50	μA
Luminous Intensity	I_V	I_F = 5 mA	18.0	30	–	mcd
Luminous Intensity	I_V	I_F = 20 mA	–	85	–	mcd
Peak Wavelength	λ_P	I_F = 20 mA	–	468	–	nm
Spectral Line Half Width	$\Delta\lambda$	I_F = 20 mA	–	25	–	nm
Dominant Wavelength	λd	I_F = 20 mA	–	470	–	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: