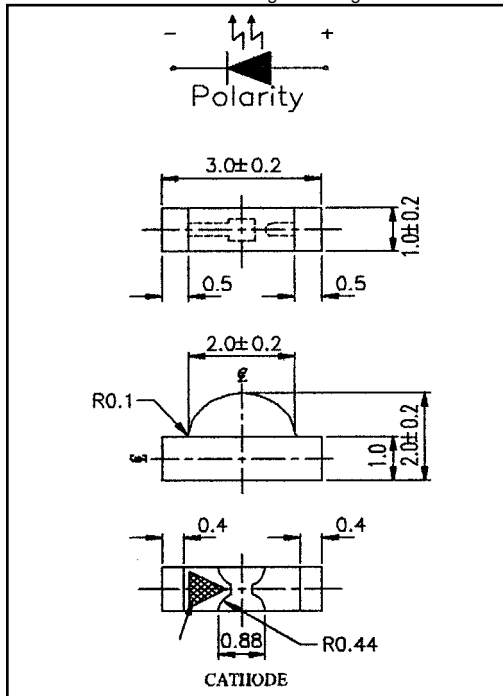


Weight: 2.0 mgUnit: mm



# AND4BRA

## GaN Ultra Bright Blue Chip LEDs with Right Angle Lens

### Features

- Package in 8mm tape on 7: dia. reel
- RoHS Compliant
- Compatible with automatic placement equipment
- Suitable for infrared and vapor phase reflow solder process
- Mono-color type
- Suitable for automotive backlighting, Flat backlighting for LDC, switch and symbol, indicator and backlighting for telecommunication use

### 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	$P_D$	140	mW
Operating Temp. Range	$T_{Opr}$	-20 to 80	$^\circ\text{C}$
Storage Temp. Range	$T_{Stg}$	-30 to 90	$^\circ\text{C}$

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	$V_F$	$I_F = 20 \text{ mA}$	–	3.8	4.5	V
Reverse Current	$I_R$	$V_R = 5 \text{ V}$	–	–	50	$\mu\text{A}$
Luminous Intensity	$I_V$	$I_F = 20 \text{ mA}$	17	22	–	mcd
Peak Emission Wavelength	$I_P$	$I_F = 20 \text{ mA}$	–	428	–	nm
Spectral Line Half Width	$\Delta I$	$I_F = 20 \text{ mA}$	–	65	–	nm
Dominant Wavelength	$I_d$	$I_F = 20 \text{ mA}$	–	466	–	nm
Full Viewing Angle	$2 \theta$	$I_F = 20 \text{ mA}$	–	120	–	degree

### Precaution

Please be careful of the following:

1. Manual soldering: maximum temperature of iron tip:  $260^\circ\text{C}$  max.  
Soldering time: within 5 sec. per solder-land  
Soldering portion of lead: up to 1.6 mm from the body of the device
2. Reflow solder: recommended condition is as follows:

3. Absolute secure counter measures against static electricity and surge should be taken when handling these products. It is recommended to use wrist band or antistatic gloves when handling these LEDs.

