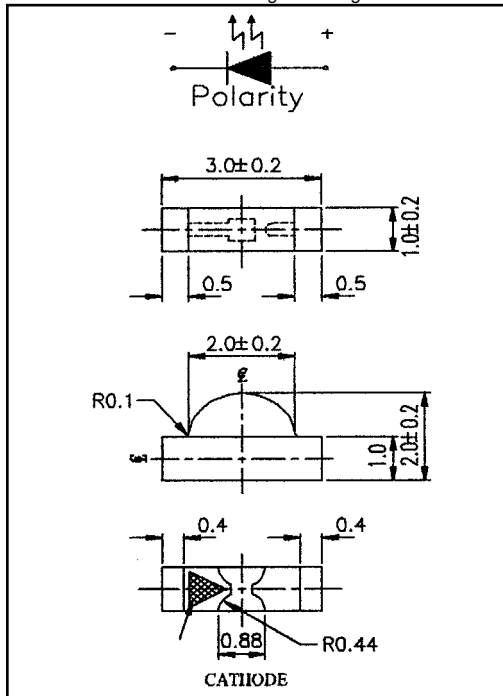


Weight: 2.0 mgUnit: mm



AND4BRA

GaN Ultra Bright Blue Chip LEDs with Right Angle Lens

Features

- Package in 8mm tape on 7: dia. reel
- 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

• RoHS Compliant

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	μA
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	ΔI	$I_F = 20 \text{ mA}$	–	65	–	nm
Dominant Wavelength	I_d	$I_F = 20 \text{ mA}$	–	466	–	nm
Full Viewing Angle	2θ	$I_F = 20 \text{ mA}$	–	120	–	degree

Precaution

Please be careful of the following:

1. Manual soldering: maximum temperature of iron tip: 260°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.

