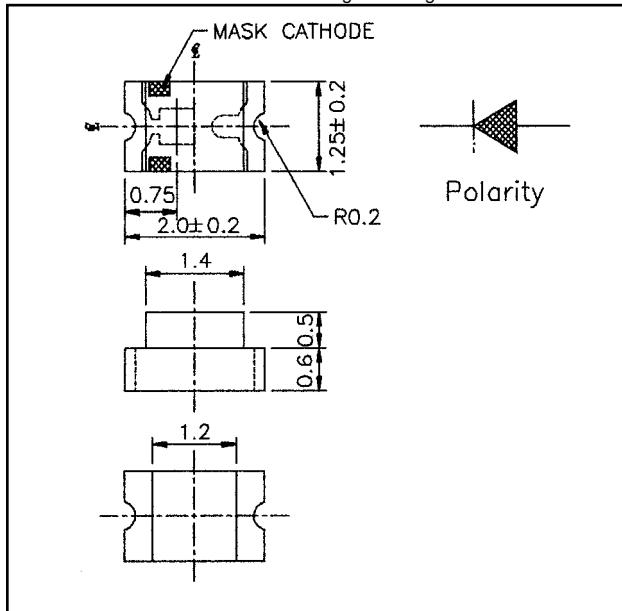




Weight: 2.0 mg Unit: mm



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.

AND4BC

InGaN Ultra Bright Blue Chip LEDs

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°C)

| Characteristics | Symbol | Rating | Unit |
|-----------------------|------------------|-----------|------|
| Forward Current | I _F | 30 | mA |
| Reverse Voltage | V _R | 5 | V |
| Power Dissipation | P _D | 120 | mW |
| Operating Temp. Range | T _{Opr} | -40 to 80 | °C |
| Storage Temp. Range | T _{Stg} | -40 to 90 | °C |

Electro-Optical Characteristics (T_a = 25°C)

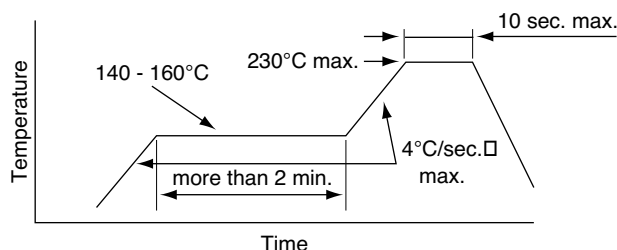
| Characteristics | Symbol | Test Condition | Minimum | Typical | Maximum | Unit |
|--------------------------|----------------|------------------------|---------|---------|---------|--------|
| Forward Voltage | V _F | I _F = 20 mA | - | 3.5 | 4.3 | V |
| Reverse Current | I _R | V _R = 5 V | - | - | 50 | μA |
| Luminous Intensity | I _V | I _F = 20 mA | 30 | 50 | - | mcd |
| Peak Emission Wavelength | I _P | I _F = 20 mA | - | 468 | - | nm |
| Spectral Line Half Width | ΔI | I _F = 20 mA | - | 35 | - | nm |
| Dominant Wavelength | I _d | I _F = 20 mA | - | 470 | - | nm |
| Full Viewing Angle | 2 q 1/2 | I _F = 20 mA | - | 140 | - | 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.



For reflow soldering

