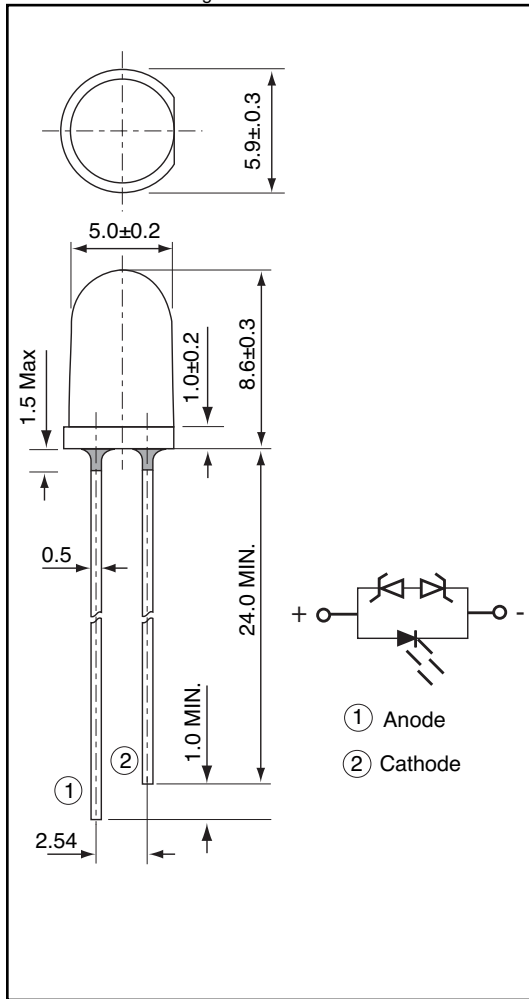




Package Dimensions Unit: mm



AND720HW

InGaN High Brightness White Light Emission

T – 1 3/4 Package (5mm)

Features

- New emission material (InGaN) White LED
- All plastic mold type, clear colorless lens
- High luminous intensity
- Bulk, available taped on reel
- Pb Free
- **RoHS Compliant**

Applications

- Outdoor Displays
- Optical Indicators
- Backlighting
- Marker Lights

Maximum Ratings (Ta = 25°C)

| Characteristics | Symbol | Rating | Unit |
|---|------------------|-------------|------|
| Forward Current | IF | 30 | mA |
| Reverse Voltage | VR | 5 | V |
| Peak Forward Current (Duty Cycle 1/10@ 1KHz) | IFP | 100 | mA |
| Power Dissipation | P _d | 100 | mW |
| Operating Temperature | T _{op} | -40 to +85 | °C |
| Storage Temperature | T _{stg} | -40 to +100 | °C |
| Soldering Temperature (5sec) | T _{sol} | 260 +/- 5 | °C |
| Electrostatic Discharge | ESD | 4,000 | V |
| Zener Reverse Current | I _z | 100 | mA |

Electro-Optical Characteristics (Ta = 25°C)

| Characteristics | Symbol | Test Condition | Minimum | Typical | Maximum | Unit |
|--------------------------|---------|----------------|---------|---------|---------|---------|
| Forward Voltage | VF | IF = 20 mA | – | 3.5 | 4.0 | V |
| Reverse Current | IR | VR = 5 V | – | – | 50 | µA |
| Luminous Intensity | Iv | IF = 20 mA | 7,150 | 9,000 | – | mcd |
| Full Viewing Angle | 2 θ 1/2 | IF = 20 mA | – | 20 | – | degrees |
| Chromaticity Coordinates | X | IF = 20 mA | – | 0.29 | – | |
| | Y | IF = 20 mA | – | 0.28 | – | |
| Zener Reverse Voltage | Vz | Iz = 5 mA | 5.2 | – | – | V |

Precaution

The products are sensitive to static electricity and care must be taken when handling products

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.