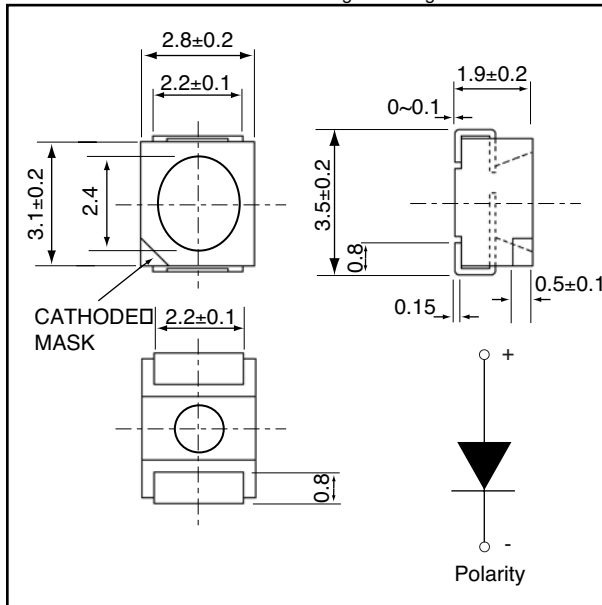


Weight: 2.0 mg Unit: mm



AND4WA

GaN Ultra Bright White Light Emission Surface Mount Package

Features

- P-LCC-2 package with optical indicator
 - Wide viewing angle
 - Suitable for vapor-phase reflow, infrared reflow and wave solder processes
 - Low current operation: 2 mA
 - Ideal for (LCD) backlight & light pipe applications
 - Compatible with automatic placement equipment
- 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 Temperature Range	T _{Op}	-30 to 85	°C
Storage Temperature Range	T _{Stg}	-30 to 90	°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°C)

Characteristics	Symbol	Test Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F = 20 mA	–	3.6	4.0	V
Reverse Current	I _R	V _R = 5 V	–	–	10	µA
Luminous Intensity	I _V	I _F = 20 mA	100	160	–	mcd
			Wavelength=550nm			
Chromaticity Coordinates	x	I _F = 10 mA	–	.29	–	–
	y	I _F = 10 mA	–	.30	–	–
Full Viewing Angle	q	I _V = 1/2 Peak	–	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.

