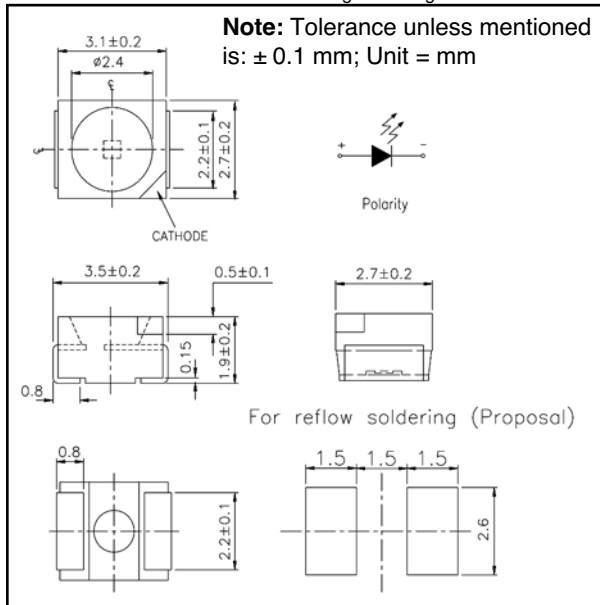




Weight: 2.0 mg Unit: mm



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.

## AND4WA

### InGaN Ultra Bright White Light Emission Surface Mount Package

#### Features

• RoHS Compliant

- P-LCC-2 package
- Fluorescence Type
- High Luminous Intensity
- High Efficiency
- Pb-free

#### Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

Characteristics	Symbol	Rating	Unit
Forward Current	$I_F$	30	mA
Reverse Voltage	$V_R$	5	V
Peak Forward Current (Duty 1/10 @ 1KHz)	$I_{FP}$	100	mA
Power Dissipation	$P_D$	110	mW
Electrostatic Discharge (HBM)	ESD	1000	V
Operating Temperature Range	$T_{Opr}$	-40 to 85	$^\circ\text{C}$
Storage Temperature Range	$T_{Stg}$	-40 to 90	$^\circ\text{C}$
Soldering Temperature	$T_{SOL}$	Reflow Soldering: $260^\circ\text{C}$ for 10 sec. Hand Soldering: $350^\circ\text{C}$ for 3 sec.	

#### Electro-Optical Characteristics ( $T_a = 25^\circ\text{C}$ )

Characteristics	Symbol	Test Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	$V_F$	$I_F = 20$ mA	3.0	–	3.6	V
Reverse Current	$I_R$	$V_R = 5$ V	–	–	50	$\mu\text{A}$
Luminous Intensity	$I_V$	$I_F = 20$ mA	900	–	1800	mcd
Viewing Angle	201/2	$I_F = 20$ mA	–	120	–	degree

#### Notes:

1. Tolerance of Luminous Intensity:  $\pm 11\%$
2. Tolerance of Forward Voltage:  $\pm 0.05\text{V}$

