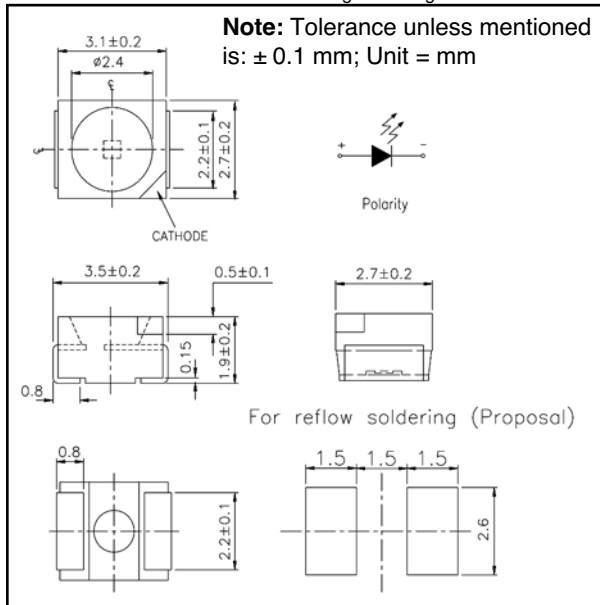




Weight: 2.0 mg Unit: mm



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°C for 10 sec. Hand Soldering: 350°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	μA
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: $\pm 0.05\text{V}$

