

## PCH-H35-V4 (Preliminary)

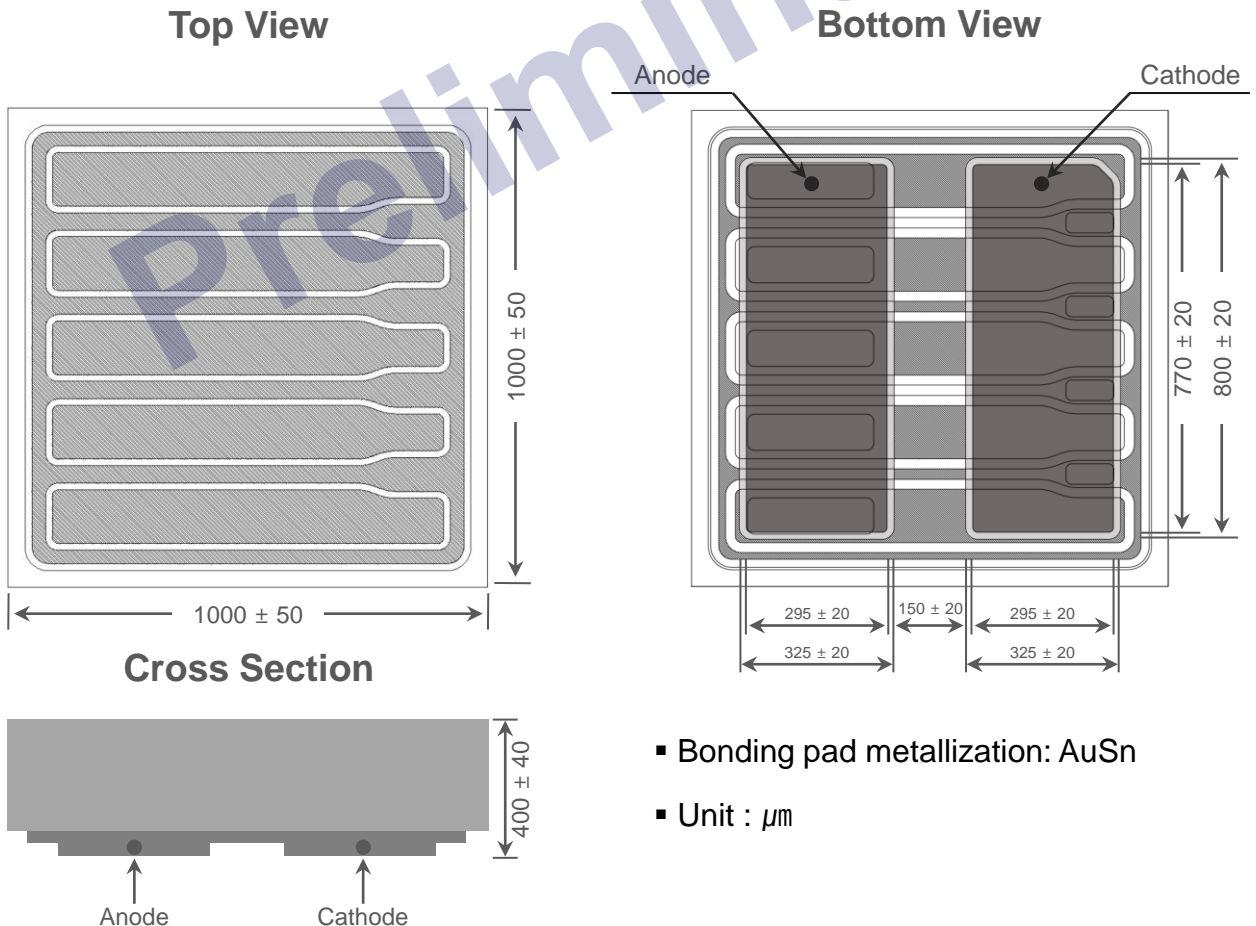
### 1. Features

- AlGaN base flip type LED chip
- High power and efficiency
- Long lifetime
- RoHS Compliant

### 2. Application

- Disinfection
- UV curing
- Fluorescent spectroscopy
- Phototherapy

### 3. Mechanical Dimensions



- Bonding pad metallization: AuSn

- Unit :  $\mu\text{m}$

#### 4. Electro-Optical Characteristics ( $I_F = 350 \text{ mA}$ , $T_a = 25 \text{ }^\circ\text{C}$ ) <sup>Note 1</sup>

Parameters	Symbol	Unit	Min.	Typ.	Max.
Peak Wavelength	$\lambda_P$	nm	320	325	330
Output Power	$P_O$	mW	-	70	-
Forward Voltage	$V_F$	V	-	5.0	-
Viewing Angle	$2\theta_{1/2}$	degree	-	125	-

#### 5. Absolute Maximum Ratings ( $T_a = 25 \text{ }^\circ\text{C}$ ) <sup>Note 2</sup>

Parameters	Symbol	Ratings	Unit
Forward Current	$I_F$	500	mA
Junction Temperature	$T_j$	100	$^\circ\text{C}$
Operating Temperature	$T_{opr}$	-30 ~ 85	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40 ~ 100	$^\circ\text{C}$

#### Notes :

- Measured by Integrating sphere of Photonwave, some values may vary depending on the test equipment. The measurement tolerance is as following;
  - Forward Voltage ( $V_f$ ):  $\pm 5\%$
  - Peak wavelength ( $\lambda_p$ ):  $\pm 3\text{nm}$
  - Radiant Flux ( $P_o$ ):  $\pm 10\%$
- Maximum ratings are strongly package-dependent. The above ratings were determined using a Photon Wave package die attach for characterization. Ratings for other packages may differ.