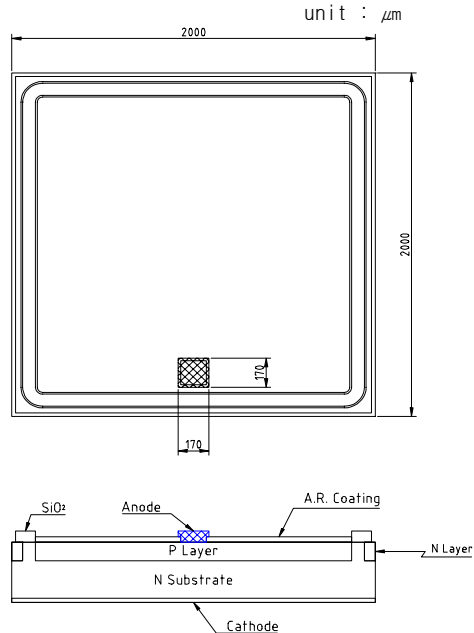


### 1. Structure

- 1.1 Chip Size : 2.00mm X 2.00mm
- 1.2 Chip thickness :  $400 \pm 20 \mu\text{m}$
- 1.3 Metallization : Top - Al, Bottom - Au
- 1.4 Passivation : Silicon Oxide
- 1.5 Bonding Pad Size
  - Anode(top) :  $170 \mu\text{m} \times 170 \mu\text{m}$
- 1.6 Active Area :  $1.72 \text{mm} \times 1.72 \text{mm}$



### 2. Electro-Optical Characteristics

(Ta=25°C)

Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Open Circuit Voltage	$V_{OP}$	0.3	0.32		V	Note(1)
Short Circuit Current	$I_{SC}$	25	32		$\mu\text{A}$	Note(1)
Spectrum Sensitivity	$\lambda$	430 ~ 1,100			nm	
Peak Sensing Wavelength	$\lambda_P$		940		nm	
Forward Voltage	$V_F$	0.5		1.3	V	$I_F=10\text{mA}$
Dark Current	$I_D$		5	10	nA	$V_R=10\text{V}$
Reverse Breakdown Voltage	$B_{VR}$	30			V	$I_R=10\mu\text{A}$

Note(1): Parallel light of 1,000Lux illumination is applied by a Tungsten lamp

### 3. Maximum Ratings

(Ta=25°C)

Parameter	Symbol	Maximum rating	Unit
Reverse Breakdown Voltage	BVR	30	V
Junction Temperature	TJ	150	°C

**AUK Corp.**

Eoyang factory, 513-5 Eoyang-dong, Iksan, 570-210, Korea

Tel. +82 63 839 1111 Fax. +82 63 835 8259

[www.auk.co.kr](http://www.auk.co.kr)

