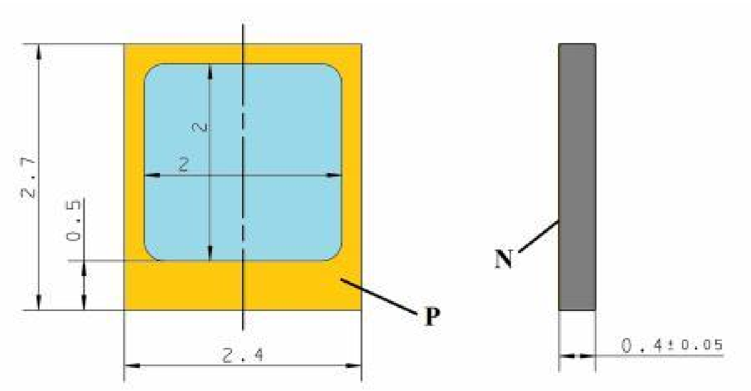
# 2.7x2.4 mm Silicon PD Chip datasheet

P/N ：WS43-01B



### Application

Si PIN photodiode chip

### Structure

Planar type：PIN diode

Electrodes :

Back side（Cathode）: Au Alloy

Top side (Anode) : Au

### DIMENSIONS

| Conditions | Min | Typ. | Max | Unit |
|---|---|---|---|---|
| Active | 2000±30 x 2000±30 | | | µm |
| Chip width | 2400±30 | | | µm |
| Chip length | 2700±30 | | | µm |
| Chip height | 350 | 400 | 450 | µm |

### Electro-Optical Characteristics ( @ Ta＝25 ℃)

| Parameter | Symbol | Test Condition | Min. | Typ. | Max. | Unit |
|---|---|---|---|---|---|---|
| Forward Voltage | Vf | If=5mA, H＝0 | 0.6 | | 0.9 | V |
| Reverse Dark Current | Id | Vr＝10V | | | 50 | nA |
| Responsivity | Re. | VR＝10V, λ=795nm | | 0.52 | | A/W |
| Sensitive Wavelength Range | λ | | 400 | | 1100 | nm |
| Capacitance | Cj | VR＝10V, f=1MHz | | | 15 | pF |