

965x965um Silicon PD Chip datasheet

P/N : WS98-01C

Scope

Si PIN photodiode chip

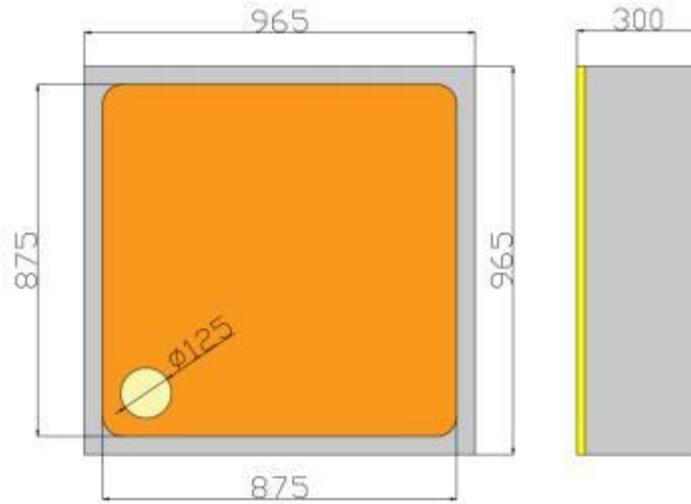
Structure

Planar type : PIN diode

Electrodes :

Top side (Cathode) : Au

(Anode) : Al



DIMENSIONS

| Conditions | Typ. | | | Unit |
|-------------|-------------|-----|-----|------|
| Active | 875x 875±15 | | | μm |
| Chip width | 965±40 | | | μm |
| Chip length | 965±40 | | | μm |
| Chip height | 280 | 300 | 320 | μm |
| Pad Area | 125 | | | μm |

Electro-Optical Characteristics (@ Ta=25 °C)

| Parameter | Symbol | Test Condition | Min. | Typ. | Max. | Unit |
|----------------------------|-----------------|------------------------------------|------|------|------|------|
| Forward Voltage | V _f | I _f =10mA | 0.5 | | 1.3 | V |
| Reverse Voltage | V _{br} | I _r =100μA | 35 | | | V |
| Reverse Dark Current | I _d | V _r =10V | | | 10 | nA |
| Sensitive Wavelength Range | λ | | 430 | 940 | 1100 | nm |
| Capacitance | C _j | V _R =5V, H=0, F=1MHz | | 11 | | pF |