



**Optowell Co., Ltd.**

**SR65-21E25**

pre. 1.0

650 nm Red LED Chip with window 25

### Features

- : 650 nm wavelength range
- : Emitting Diameter 25  $\mu\text{m}$
- : low current bias
- : Other configurations available on request

### Description



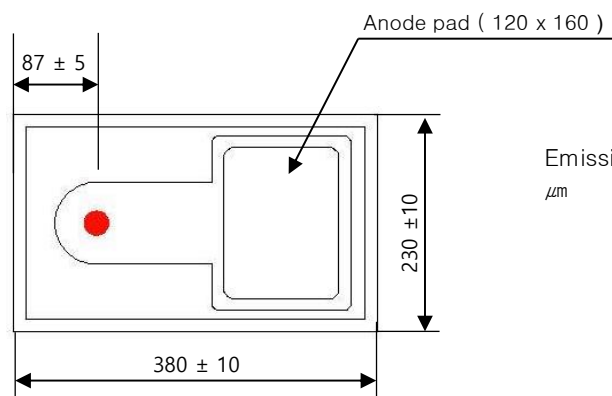
### Applications

- : Industrial applications
- : Point Source
- : Sensors

### Absolute Maximum Ratings

| Parameter                  | Rating                  |
|----------------------------|-------------------------|
| Storage Temperature        | -40 to 100 °C           |
| Operating Temperature      | -20 to 70 °C            |
| Continuous Forward Current | 10 mA                   |
| Continuous Reverse Voltage | 5V (@10 $\mu\text{A}$ ) |

### Dimensions



Emission area :  $\varnothing$  25  $\mu\text{m}$

Unit :  $\mu\text{m}$

Die Height : 200 $\pm$ 15  $\mu\text{m}$

▶ Electro-Optics Characteristics ( $T_a=25^{\circ}\text{C}$  unless otherwise stated)

| Parameters         | Symbol      | Specified |      |      | Unit | Test Conditions    |
|--------------------|-------------|-----------|------|------|------|--------------------|
|                    |             | Min.      | Typ. | Max. |      |                    |
| Total Radiant Flux | $\Phi_o$    | 0.15      | 0.2  |      | mW   | $I_f = 5\text{mA}$ |
| Peak Wavelength    | $\lambda_P$ | 635       | 650  | 665  | nm   | $I_f = 5\text{mA}$ |
| Forward Voltage    | $V_f$       |           | 2.1  | 2.25 | V    | $I_f = 5\text{mA}$ |
| Forward Current    | $I_f$       | 0.01      | -    | 5    | mA   |                    |
| Breakdown Voltage  | $V_b$       |           | -10  |      | V    |                    |

Test Data were measured in TO header of wire bonded chip

Value is referenced to the vender's measurement system (correlation to customer product is required).

## ▶ Notes

\* These specifications are subject to change without notice.

**NOTIC**

The inherent design of this component causes it to be sensitive to electrostatic discharge(ESD). To prevent ESD-induced damage and/or degradation to equipment, take normal ESD precautions when handling this product