



Optowell Co., Ltd.

SR65-02E10

Rev. 1.0

650nm LED Chip for Sensors

Features

- : 650 nm wavelength range
- : 10 μm Emitting diameter
- : Other configurations available on request

Description



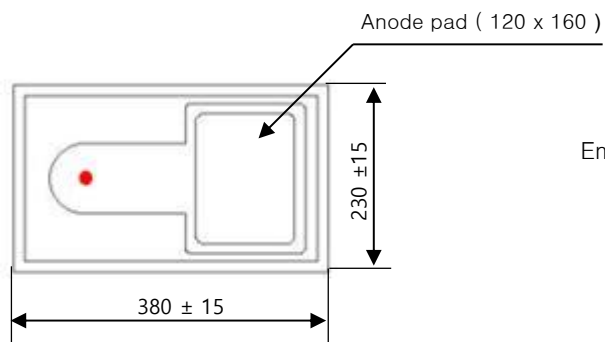
Applications

- : Sensors
- : Point source

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 μA)

Dimensions



Emission area : $\varnothing 10$

Unit : μm

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	Φ_o		70		μW	$I_f=5\text{mA}$
Peak Wavelength	λ_p	640	650	660	nm	$I_f=5\text{mA}$
Forward Voltage	V_f		2.1		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.

**NOTICE**

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