



RCLC-65A30

650nm 30um RCLED Chip for Sensors

Description

The Lasermate RCLC-65A30 is a 650nm resonant cavity LED (RCLED) chip with a 30 μ m emitting diameter, optimized for high-performance optical sensing and industrial applications. Designed with a low current bias, the RCLED chip delivers stable optical output, excellent wavelength uniformity, and long-term reliability, making it suitable for precision sensor integration and specialized illumination systems.



Features

- Resonant cavity LED chip
- 650nm wavelength
- 30um emitting diameter
- Low current bias

Applications

- Industrial application
- Sensors

Specifications

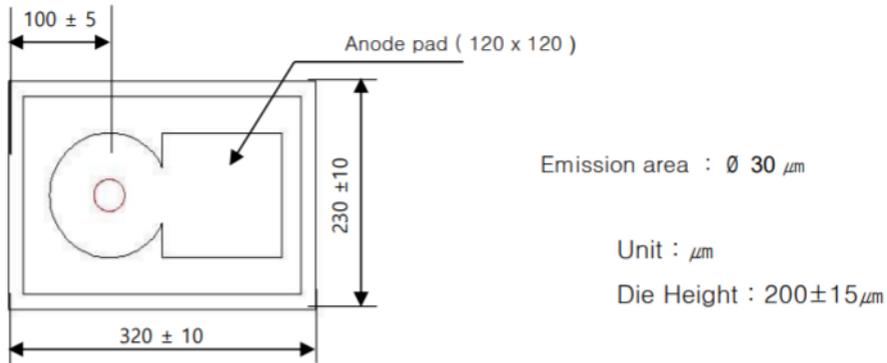
Absolute Maximum Ratings				
Parameters	Min.	Max.	Unit	Conditions
Storage temperature	-40	100	°C	
Operating temperature	-20	70	°C	
Continuous Forward Current		10	mA	
Continuous Reverse Voltage		5	V	

Electro-Optical Characteristics (T _a =25°C unless otherwise stated)						
Parameters	Symbol	Min.	Typ.	Max.	Unit	Conditions
Total Radiant Flux	Φ_o	0.2			mW	I _f =5mA
Peak Wavelength	λ_p	640	650	665	nm	I _f =5mA
Breakdown Voltage	V _b		-10		V	
Forward Voltage	V _f		2.1	2.4	V	I _f =5mA

Notes:

- Test data were measured in TO-header of wire bonded chip.
- Value is referenced to the vendor's measurement system (correlation to customer product is required).

Outline Dimensions



Additional Notes

- 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.
- Specifications are subject to change without notice.