



RCLF21-65A25

650nm RCLED Black 2121 Frameless SMD Package

Description

The RCLF21-65A25 is a 650nm wavelength resonant cavity light emitting diode (RCLED) with a 25 μ m emitting area, housed in a frameless surface-mount (SMD) package. It is designed for high-efficiency optical emission in consumer electronics and sensor applications.



Features

- 650nm RCLED
- 25 μ m emitting area diameter
- Frameless SMD package

Applications

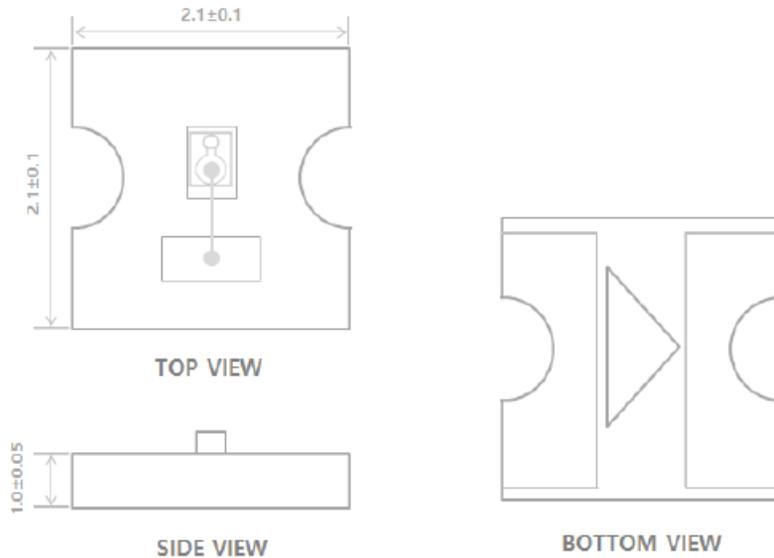
- Consumer electronics
- Sensors

Specifications

Absolute Maximum Ratings				
Parameters	Min.	Max.	Unit	Conditions
Storage temperature	-40	100	°C	
Operating temperature	-20	70	°C	
Lead solder temperature		260	°C	5 seconds
Continuous Forward Current		10	mA	
Continuous Reverse Voltage		5	V	@ 10 μ A

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	635	650	665	nm	I _f =5mA
Reverse Leakage Current	I _R			100	nA	V _R =12V
Forward Voltage	V _f		2.0		V	I _f =5mA
Forward Current	I _f	0.01		5	mA	
Breakdown Voltage	V _b	-12			V	

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.