XG53-S2121-SD-BZ-23 Pre 1.0

Green Dot 50㎛ LED Black 2121 SMD Package

Features

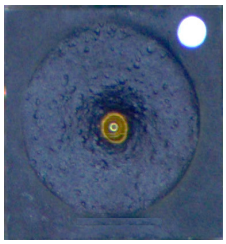
: 525nm wavelength range

: Φ 50μm Emitting area

: Low current bias

: Other configurations available on request

Description



Applications

: Point Source

: Sensors

Absolute Maximum Ratings

Parameter	Rating
Storage Temperature	-40 to 100 ℃
Operating Temperature	-20 to 85 ℃
Lead Solder Temperature	260 ℃, 5 sec
Continuous Forward Current	5mA
Continuous Reverse Voltage	5V (@10μA)

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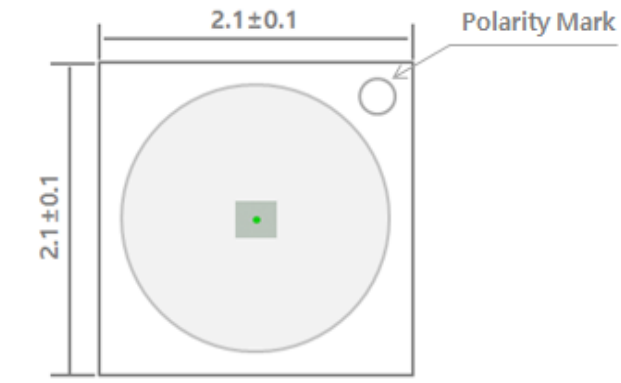
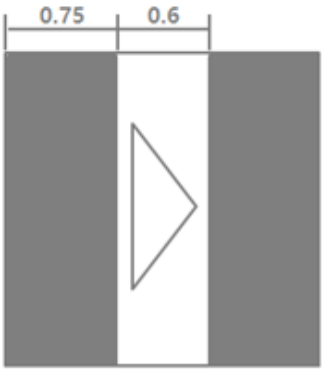
Dimensions

Unit :mm



TOP VIEW

SIDE VIEW



BOTTOM VIEW

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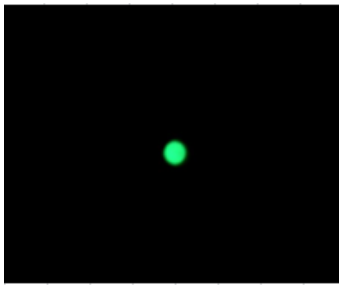
Electro-Optics Characteristics (T_a=25℃ unless otherwise stated)

Parameters	Symbol	Specified			Unit	Test Conditions
		Min.	Typ.	Max.		
Total Radiant Flux	Φ_o		100		μW	If = 5mA
Peak Wavelength	λ_P		525	540	nm	I_f = 2mA
Forward Voltage	V_f		2.8		V	I_f = 2mA
Operating Voltage	V_{op}		2.15		V	I_f = 50μA
Operating Current **	I_{op}	10		100	μA	
Breakdown Voltage	V_b		-10		V	

* : Total Radiant flux Value is referenced to the vender's measurement system
(correlation to customer product is required).

* * : The applied current can be changed according to the user environment

Emitting mode (Green Dot , If = 20 μA)



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
DANGER	The VCSEL is a class IIIb laser and should be treated as a potential eye hazard. Due to the size of the component, the applicable warning logotype, aperture label, and certification / identification label cannot be placed on the component itself.

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