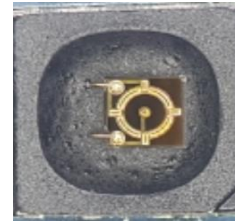




**Features**

- : 650nm wavelength range
- : Other configurations available on request

**Description**



**Applications**

- : Consumer electronics
- : Dot Sights

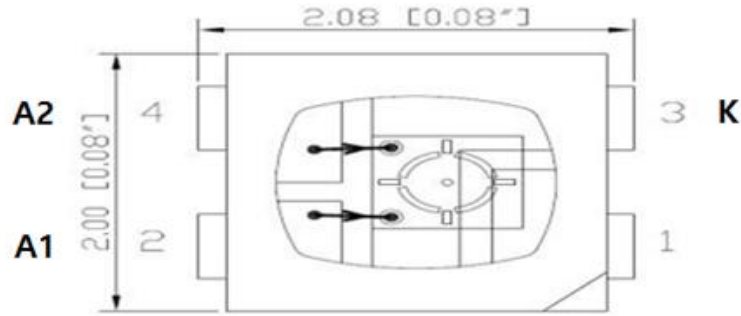
**Absolute Maximum Ratings**

Parameter	Rating
Storage Temperature	-40 to 100 °C
Operating Temperature	-20 to 70 °C
Lead Solder Temperature	260 °C, 5 sec
Continuous Forward Current	12mA
Continuous Reverse Voltage	5V (@10µA)

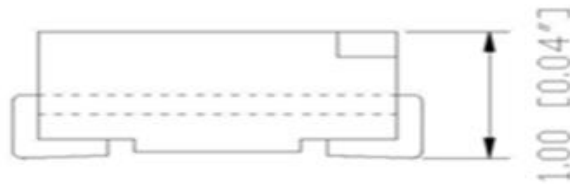


Dimensions

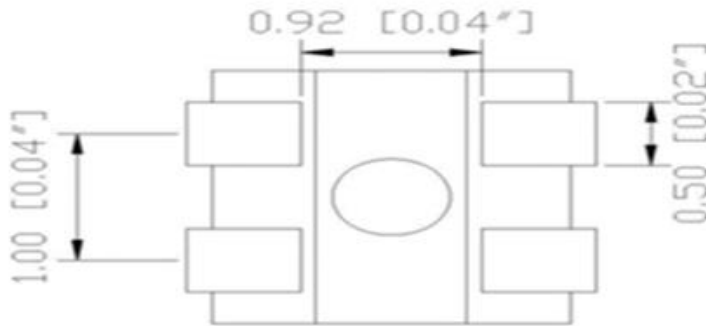
Unit :mm



TOP VIEW



SIDE VIEW



BOTTOM VIEW

XR65-S2121-25-Black	
Number	Function
1	NC
2	Anode <sub>A1</sub>
3	Cathode
4	Anode <sub>A2</sub>



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

Parameters	Symbol	Specified			Unit	Test Conditions
		Min.	Typ.	Max.		
Total Radiant Flux A1	$\Phi_{A1}$		0.05		mW	$I_f = 10\text{mA}$
Total Radiant Flux A2	$\Phi_{A2}$		0.20		mW	$I_f = 10\text{mA}$
Peak Wavelength	$\lambda_p$	630	645	660	nm	$I_f = 10\text{mA}$
Forward Voltage A1	$V_{f1}$		2.2		V	$I_f = 10\text{mA}$
Forward Voltage A2	$V_{f2}$		2.0		V	$I_f = 10\text{mA}$

Notes

\* These specifications are subject to change without notice



<b>NOTICE</b>	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
<b>DANGER</b>	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.