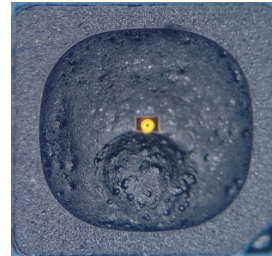




**Features**

- : 650nm wavelength range
- : Other configurations available on request
- :  $\Phi$  25 $\mu$ m Emitting area

**Description**



**Applications**

- : Consumer electronics
- : Sensors

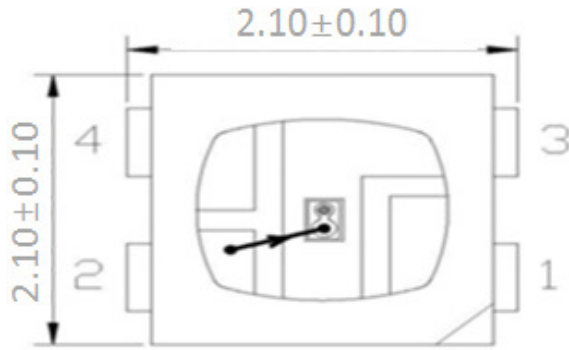
**Absolute Maximum Ratings**

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

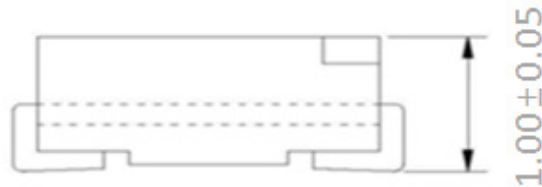


Dimensions

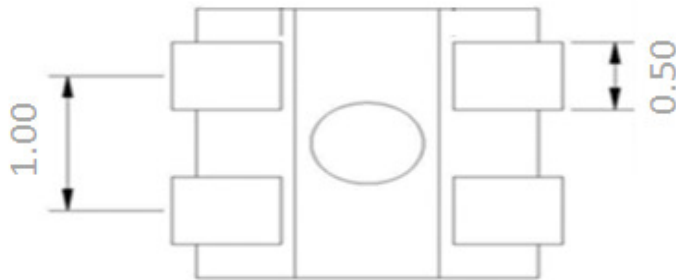
Unit :mm



TOP VIEW



SIDE VIEW



BOTTOM VIEW





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

Parameters	Symbol	Specified			Unit	Test Conditions
		Min.	Typ.	Max.		
Total Radiant Flux	$\Phi_o$		0.2		mW	$I_f = 5\text{mA}$
Peak Wavelength	$\lambda_p$	635	650	665	nm	$I_f = 5\text{mA}$
Forward Voltage	$V_{f1}$		2.0		V	$I_f = 5\text{mA}$
Forward Current	$I_f$	0.01		5	mA	
Reverse Leakage Current	$I_R$			100	nA	$V_R = 12\text{V}$
Breakdown Voltage	$V_b$	-12			V	

**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.