

Green Laser Diode

Application

Industrial use / Biomedical

Property

Wavelength $\lambda = 520\text{nm}$

Output Power = 30mW

Package Type = $\varnothing 5.6\text{mm}$

Introduction

Egismos currently markets InGaN-based green laser diodes 515-520nm wavelengths range. The low operating current and high temperature of the laser diodes are achieved through using misoriented substrate and MQW (Strain compensated) active layer. Egismos laser diodes are highly rated in a broad range of applications including, but not limited to, laser pointers, green lasers, blue laser DVD, laser barcode scanners, diode laser equipments, medical instruments and aerospace applications.

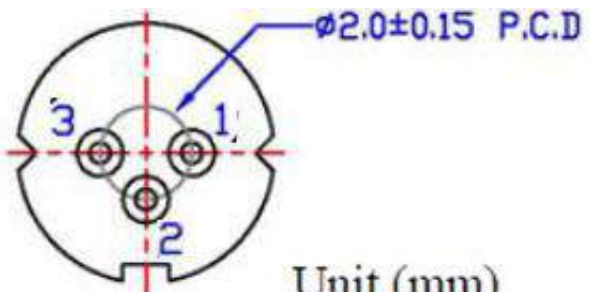
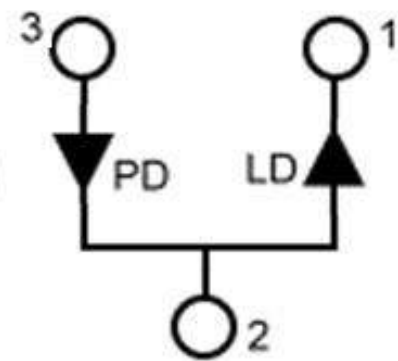


Green Laser Diode Key features

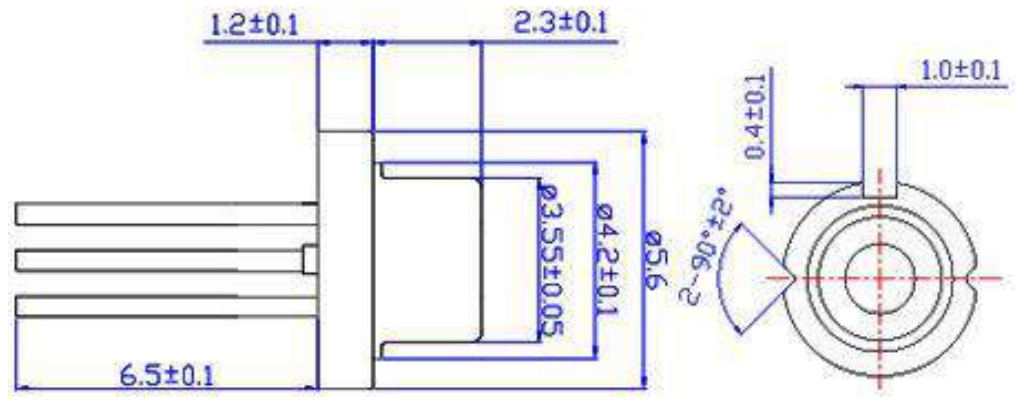
Absolute Maximum Rating at Tc=25°C			
Items	Symbols	Values	Unit
Optical Output Power	Po(CW)	30	mW
Reverse Voltage	V	2	V
Operating Temperature	To	-10~+60	°C
Storage Temperature	Ts	-10~+70	°C

Electrical and Optical Characteristics at Tc=25°C						
Item	Symbols	Min	Typ.	Max.	Unit	Condition
Optical Output Power	Po	-	-	30	mW	-
Threshold Current	Ith	-	50	75	mA	-
Operating Current	Iop	-	120	140	mA	Po=30mW
Operating Voltage	Vop	-	6.7	8.0	V	Po=30mW
Peak Wavelength	λ_p	510	520	530	nm	Po=30mW

Beam Divergence	$\theta_{//}$	4	7	11	deg	Po=30mW
	θ_{\perp}	16	22	25	deg	Po=30mW

Electrical Connection(Bottom View)	Package Type
 <p>Unit (mm)</p> <p>Bottom View</p>	

Package Drawing



Specifications are subject to change without notice.

