

D6-6-515-10



Application

- Appliances & Tools
- Entertainment
- Functional Illumination
- Medical Imaging
- Outdoor & Industrial Lighting
- Projection

Property

- Wavelength λ = 515 nm
- Output Power = 10 mW
- Package Type = ϕ 5.6mm

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

Laser Diode Key features

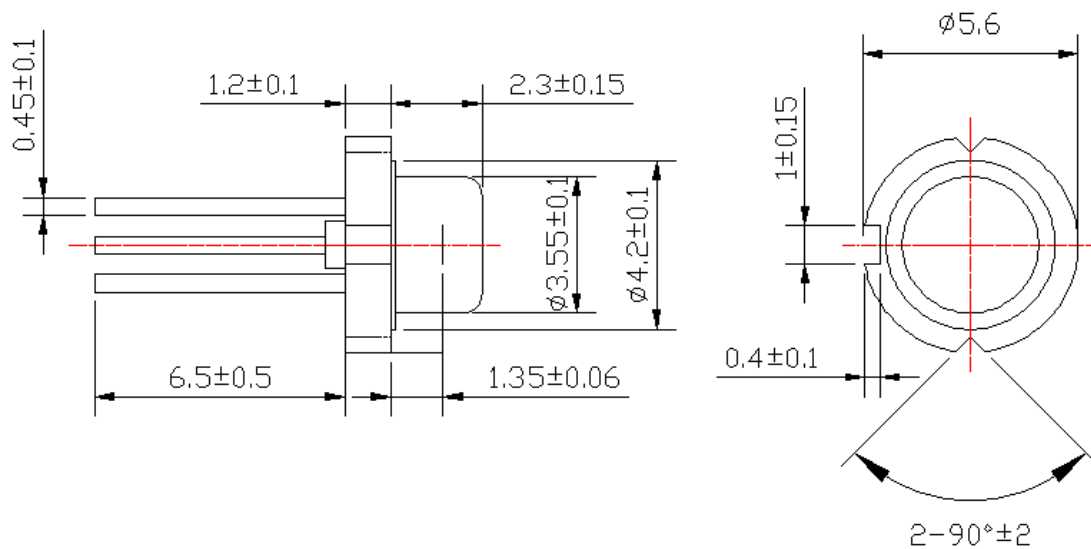
Absolute Maximum Rating at Tc=25°C

Items	Symbols	Values	Unit
Operating Current power	P_o	10	mW
Reverse Voltage	V_R	2	V
Operating Temperature	T_{case}	-10~+60	°C
Storage Temperature	T_s	-40~+85	°C

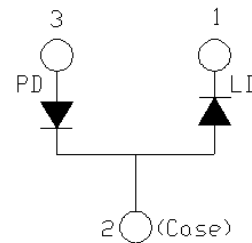
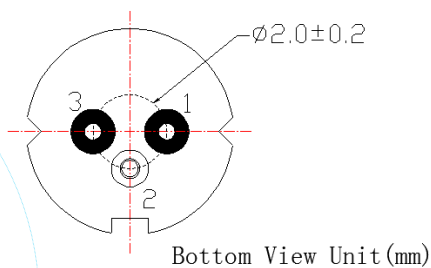
Electrical and Optical Characteristics at Tc=25°C

Item	Symbols	Min	Typ.	Max.	Unit	Condition
Threshold Current	I_{th}	-	30	60	mA	-
Operating Current	I_{op}	-	45	100	mA	Po=10mW
Operating Voltage	V_{op}	-	5.0	6.0	V	Po=10mW
Peak Wavelength	λ_p	510	515	530	nm	Po=10mW
Beam Divergence (FWHM)	θ_r	6	8	10	deg	Po=10mW
Beam Divergence (FWHM)	θ_{\pm}	19	22	25	deg	Po=10mW
Monitor current	I_m	-	120	-	uA	Po=10mW

Package Drawing



Electrical connection



Specifications are subject to change without notice.

