

# Egismos *DATASHEET*

## 808nm Compact Laser Diode Modules Key features

Visible light  $\lambda = 808\text{nm}$   
 Output powers = 200mW  
 Package type = 5.6mm $\phi$   
 High reliability

### Applications

General Purpose Infrared Red Laser Light Source  
 Medical Application & Infrared Red Laser Module for Industry Application  
 Solid State Laser Pumping of Green Laser & High Power Engineering Instruments

### Laser Diode Solutions

SS-D6-4-808-200 is a MOCVD grown 808nm band laser diode. It's an attractive light source, with a typical light output power of CW 200mW. It's suitable for use as high reliability laser diode in a wide range of industrial application.



SS-D6-4-808-200

## Electrical and Optical Characteristics at Tc=25°C

Item	Symbols	Min.	Typ.	Max.	Unit	Condition
Optical Output Power	Po	-	200	-	mW	-
Threshold Current	Ith	-	75	95	mA	-
Operating Current	Iop	-	260	280	mA	Po=200mW
Operating Voltage	Vop	-	1.9	2.5	V	Po=200mW
Peak Wavelength	$\lambda_p$	803	808	813	nm	Po=200mW
Beam Divergence	$\Theta_{//}$	-	7	12	deg	Po=200mW
	$\Theta_{\perp}$	-	35	45	deg	Po=200mW
Beam Angle	$\Delta\Theta_{//}$	-	-	$\pm 3.0$	deg	Po=200mW
	$\Delta\Theta_{\perp}$	-	-	$\pm 3.0$	deg	Po=200mW
Monitor Current	Im	-	0.6	1.0	mA	Po=200mW
Optical Distance	$\Delta X, \Delta Y, \Delta Z$	-	-	$\pm 60$	$\mu\text{m}$	
Polarization	TM mode					

**Egismos**

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# Egismos *DATASHEET*

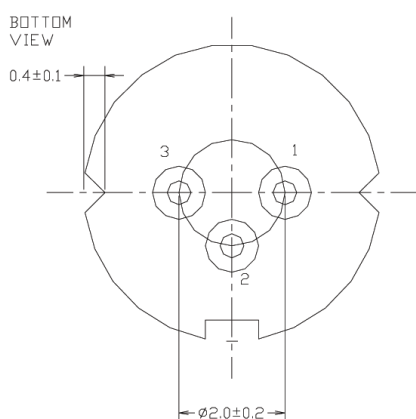
## Absolute Maximum Rating at Tc=25°C

Items	Symbols	Values	Unit
Optical Output Power	Po	200	mW
Laser Diode Reverse Voltage	V	2	V
Photo Diode Reverse Voltage	V	30	V
Operating Temperature	To	-10~+40	°C
Storage Temperature	Ts	-40~+85	°C

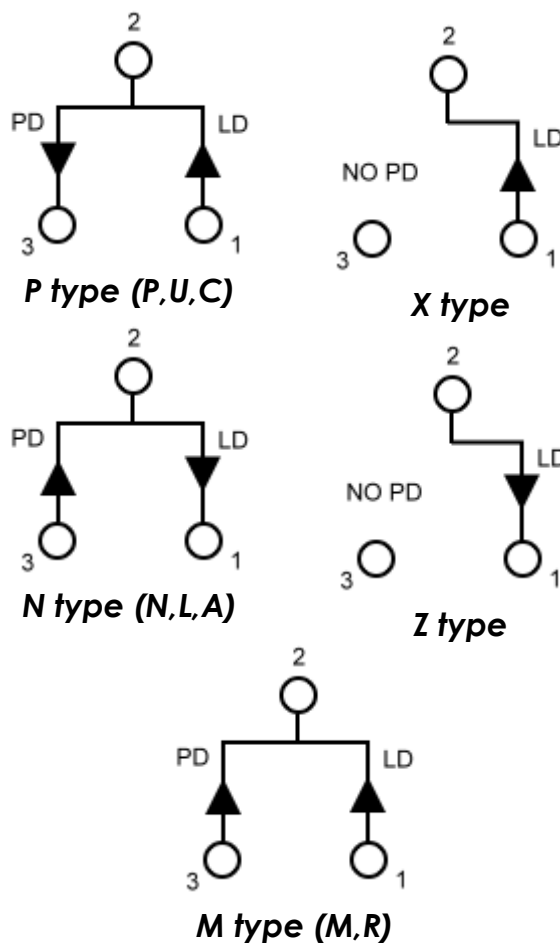


SS-D6-4-808-200

## Electrical Connection

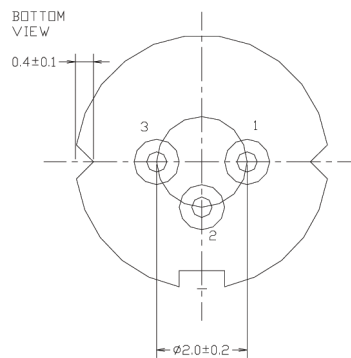
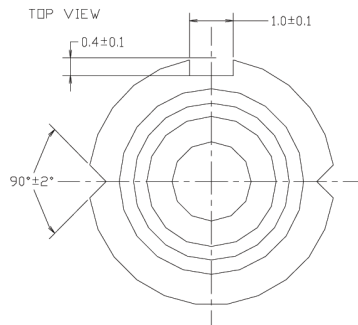
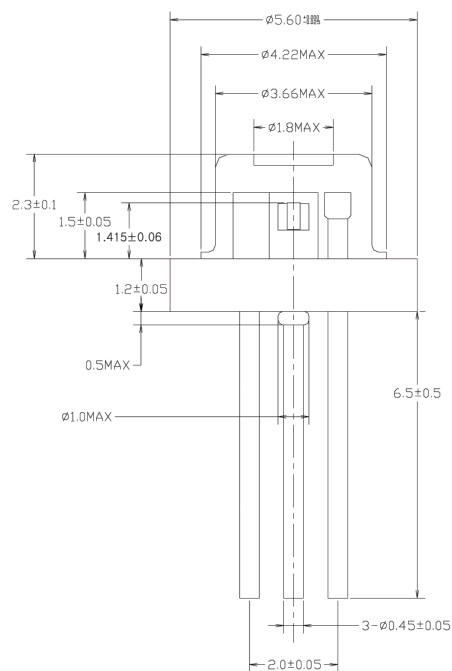


## Package Type



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## Laser Diode Package Drawing



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