

## D6-6-850-20

### Key features

Invisible Light  $\lambda = 850\text{nm}$   
Output Power = 20mW  
Package Type = 5.6mm $\Phi$

### Applications

General Purpose Infrared Laser Light Source  
Optical Communication & Infrared Laser Module for Industry Application  
Military Application & Optical Sensor Application of Engineering Instruments

### Electrical and Optical Characteristics at $T_c=25^\circ\text{C}$

Item	Symbols	Min.	Typ.	Max.	Unit	Condition
Optical Output Power	Po	-	20	-	mW	-
Threshold Current	Ith	5	20	35	mA	Po=20mW
Operating Current	Iop	40	55	70	mA	Po=20mW
Differential Efficiency	SE	0.4	0.5	0.9	mW/mA	Po=20mW
Monitor Current	Im	0.1	0.6	1	mA	Po=20mW
Operating Voltage	Vop	-	2	2.5	V	Po=20mW
Peak Wavelength	$\lambda_p$	845	855	865	nm	Po=20mW
Beam Divergence	$\theta_{//}$	7	9	12	deg	Po=20mW
	$\theta_{\perp}$	25	32	40	deg	Po=20mW
Beam Deviation Angle	$\Delta\theta_{//}$	-2	-	2	deg	Po=20mW
	$\Delta\theta_{\perp}$	-3	-	3	deg	Po=20mW

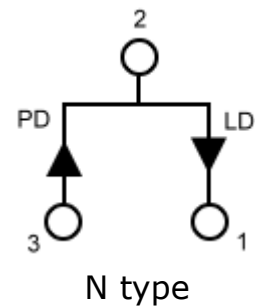
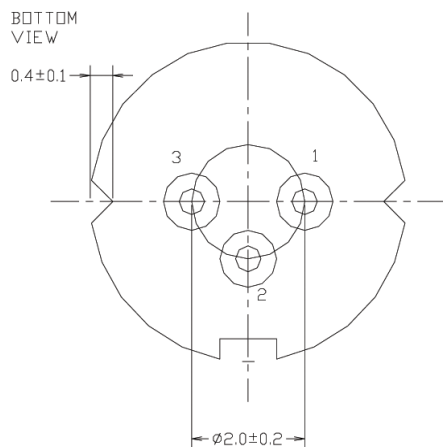
# EGISMOS IR Laser Diode

## Absolute Maximum Rating at Tc=25°C

Items	Symbols	Values	Unit
Optical Output Power	Po(CW)	22	mW
Laser Diode Reverse Voltage	V	2	V
Photo Diode Reverse Voltage	V	30	V
Operating Temperature	To	-10~+60	°C
Storage Temperature	Ts	-40~+85	°C

## Electrical Connection

## Package Type



## Package Drawing

