

D6-4-980-100

Key features

Invisible Light $\lambda = 980\text{nm}$
Output Power = 100mW
Package Type = 5.6mm Φ

Applications

General Purpose Infrared Laser Light Source

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

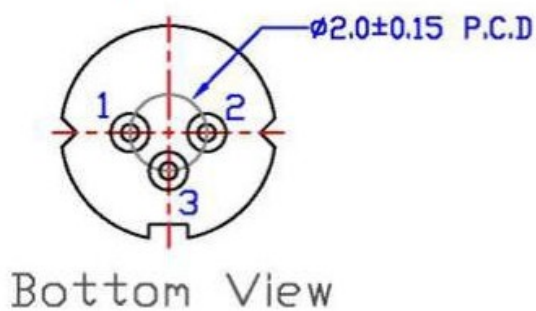
Item	Symbols	Min.	Typ.	Max.	Unit	Condition
Optical Output Power	Po	-	100	-	mW	-
Threshold Current	Ith	-	40	50	mA	Po=100mW
Operating Current	Iop	-	165	190	mA	Po=100mW
Differential Efficiency	SE	0.5	0.8	-	mW/mA	Po=100mW
Operating Voltage	Vop	1	1.5	2.1	V	Po=100mW
Peak Wavelength	λ_p	965	980	995	nm	Po=100mW
Beam Divergence	$\theta_{//}$	-	6	-	deg	Po=100mW
	θ_{\perp}	27	32	37	deg	Po=100mW

Egismos IR Laser Diode

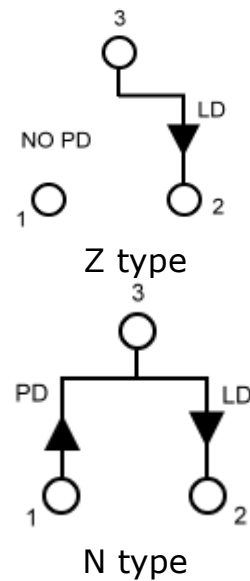
Absolute Maximum Rating at Tc=25°C

Items	Symbols	Values	Unit
Optical Output Power	Po(CW)	100	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

Electrical Connection



Package Type



Package Drawing

D64980100-a

Egismos

www.egismos.com
 TEL: +1-360-389-3347
 FAX: +1-360-326-7275
 sales@Egismos.com

