

Egismos DATASHEET

1625m Compact Laser Diode Modules Key features

Visible light $\lambda = 1625\text{nm}$

Output power = 5mW

Package type = 3.3mm ϕ

High reliability

Applications

General Purpose Infrared Red Laser Light Source

Optical Communication & Infrared Red Laser Module for Industry Application

Space Communication & Engineering Instruments



TS-D6-3-1625-5

Laser Diode Solutions

TS-D6-3-1625-5 is a MOCVD grown 1625nm band laser diode. It's an attractive light source, with a typical light output power of 5mW. It's suitable for use as high reliability laser diode in a wide range of industrial application.

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

Item	Symbols	Min.	Typ.	Max.	Unit	Condition
Threshold Current	I _{th}	-	15	-	mA	P _o =5mW
Operation Current	I _{op}	-	50	-		P _o =5mW
Optical Output Power	P _o	-	5	-	Nm	P _o =5mW
Operating Voltage	V _{op}	-	2	-	V	P _o =5mW
Lasing Wavelength	λ_p	1600	1625	1650	nm	P _o =5mW
Spectral Width	$\Delta\lambda$	-	3	-	nm	P _o =5mW
Beam Divergence	$\Theta_{//}$	-	20	-	deg	P _o =5mW
	Θ_{\perp}	-	40	-	deg	P _o =5mW

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<http://www.egismos.com>

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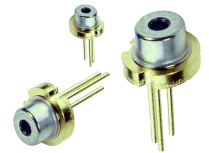
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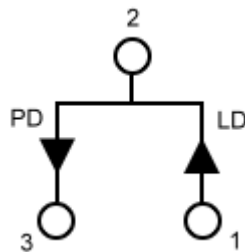
Absolute Maximum Rating at Tc=25°C

Items	Symbols	Values	Unit
Optical output power	Po	5	mW
Reverse voltage(LD)	V _{RL}	2	V
Reverse Voltage(PD)	V _{RL}	10	V
Operating Temperature	Tc	10~+30	°C
Storage Temperature	Ts	-40~+85	°C

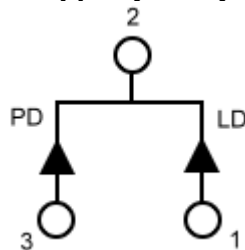


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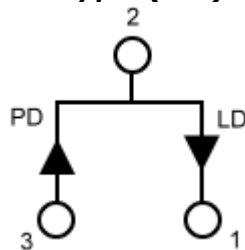
Package Type



P type (P,U,C)



M type (M,R)



N type (N,L,A)

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