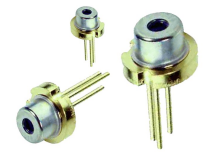


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870m Compact Laser Diode Modules Key features

Visible light $\lambda = 870\text{nm}$
Output power = 10mW
Package type = 5.6mm ϕ
High reliability
Applications

General Purpose Infrared Red Laser Light Source
Night Vision Application & Infrared Red Laser Module for Industry Application
Optical Communication & High Precision Engineering Instruments



TS-D6-3-870-10

Laser Diode Solutions

TS-D6-3-870-10 is a MOCVD grown 870nm band laser diode. It's an attractive light source, with a typical light output power of 10mW. It's suitable for use as high reliability laser diode in a wide range of industrial application.

Electrical and Optical Characteristics at Tc=25°C

Item	Symbols	Min.	Typ.	Max.	Unit	Condition
Threshold Current	I _{th}	-	-	20	mA	P _o =10mW
Operation Current	I _{op}	-	-	45		P _o =10mW
Optical Output Power	P _o	-	10	-	Nm	P _o =10mW
Operating Voltage	V _{op}	-	-	2	V	P _o =10mW
Lasing Wavelength	λ_p	860	870	880	nm	P _o =10mW
Spectral Width	$\Delta\lambda$	-	3	-	nm	P _o =10mW
Beam Divergence	$\Theta_{//}$	-	35	-	deg	P _o =10mW
	Θ_{\perp}	-	25	-	deg	P _o =10mW

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<http://www.egismos.com>
TEL: +1-888-3481454
FAX: +1-604-4339864
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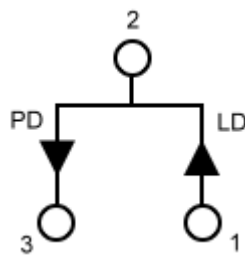
Absolute Maximum Rating at Tc=25°C

Items	Symbols	Values	Unit
Optical output power	Po	10	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

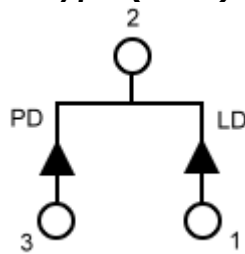


TS-D6-3-870-10

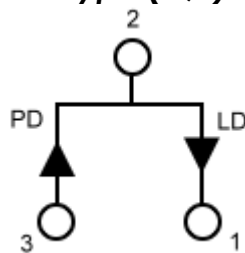
Package Type



P type (P,U,C)



M type (M,R)



N type (N,L,A)

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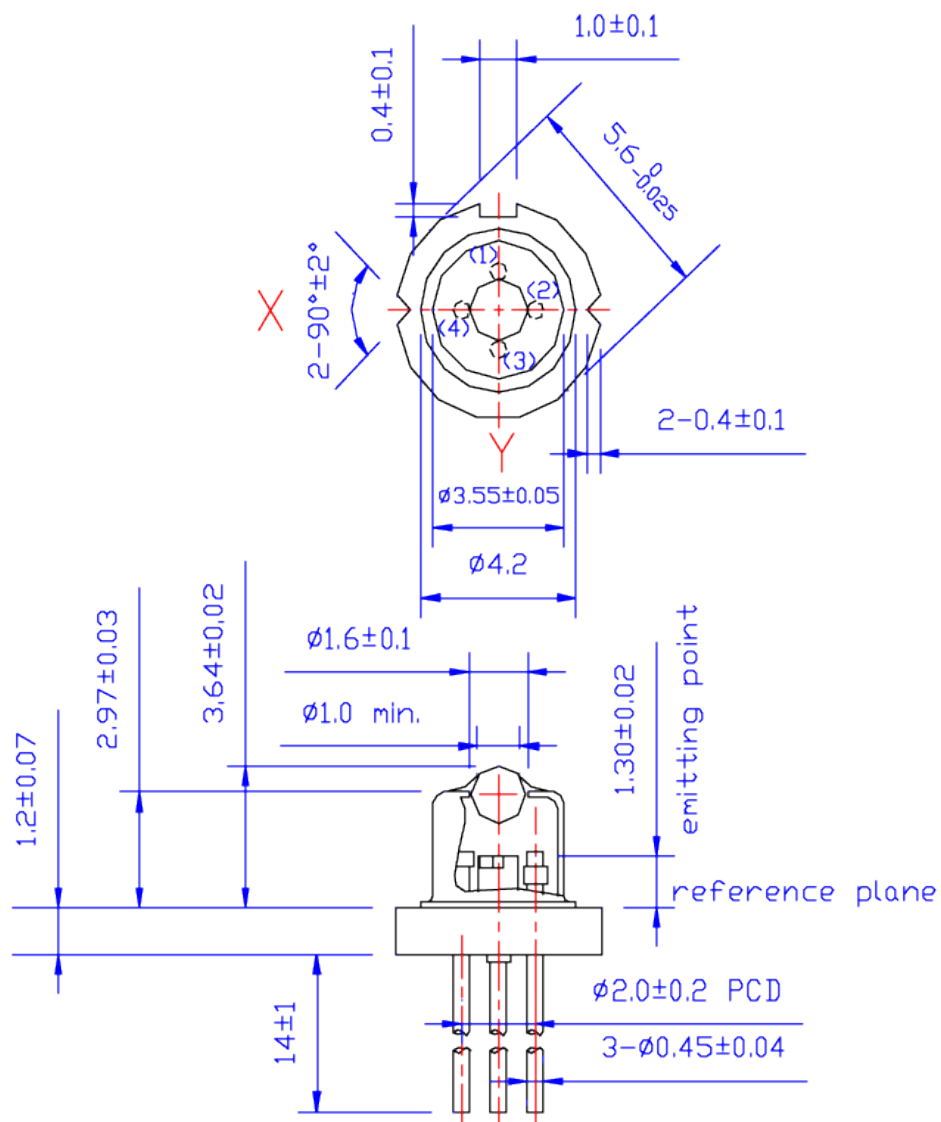
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Laser Diode Package Drawing



TS-D6-3-870-10



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