

Features

- Wavelength : 405nm(Typ.)
- Output power : 10mW
- Threshold current : Ith=26mA(Typ.)
- Package : ϕ 5.6mm with PD

Applications

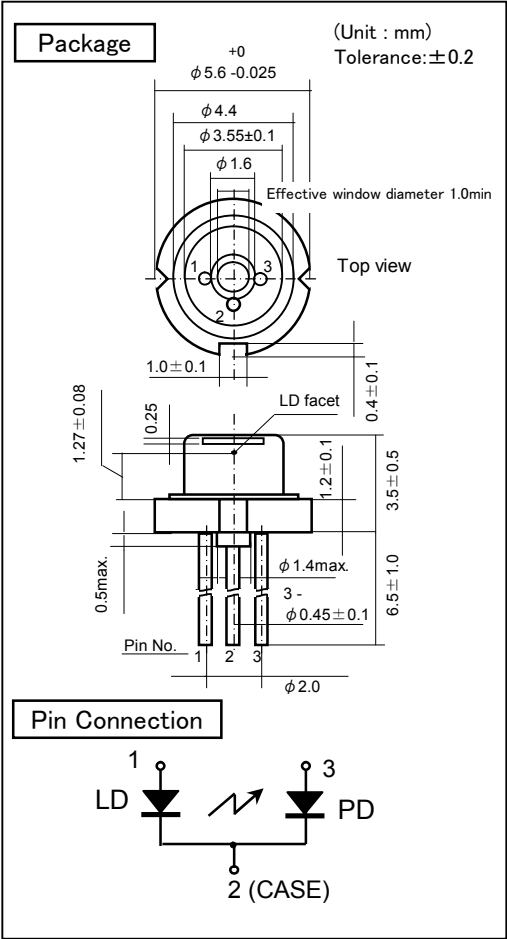
- Laser module
- Industrial Use

Absolute Maximum Ratings

(Tc=25°C)

Parameter	Symbol	Ratings	Unit
Light Output	Po(CW)	20	mW
Reverse Voltage (LD)	VR	2	V
Operating Temperature ¹⁾	Topr	0 to +75	°C
Storage Temperature ¹⁾	Tstg	-40 to +85	°C

1) Case temperature.



Electrical and Optical Characteristics ^{2) 3) 4) 5)}

(Tc=25°C)

Parameter		Symbol	Condition	Min.	Typ.	Max.	Unit
Threshold Current		Ith	CW	-	26	50	mA
Operating Current		Iop	Po=10mW	-	35	60	mA
Operating Voltage		Vop	Po=10mW	-	4.8	5.6	V
Lasing Wavelength		Lp	Po=10mW	395	405	415	nm
Beam ⁶⁾ Divergence	Perpendicular	Qv	Po=10mW	16	19	23	°
	Parallel	Qh	Po=10mW	6	8.5	12	°
Off Axis Angle	Perpendicular	dQv	Po=10mW	-3	-	3	°
	Parallel	dQh	Po=10mW	-3	-	3	°
Differential Efficiency		SE	Po=10mW	0.7	1.1	-	mW/mA
Monitoring Output Current		Im	Po=10mW	0.1	0.2	0.5	mA

2) Initial Values. 3) All the above values are evaluated with Tottori sanyo's measuring apparatus.
4) It makes a typical value a Reference Value. 5) Measurement condition : CW. 6) Full angle at half maximum.

Note : The above product specification are subject to change without notice