Blue-violet Laser Diode

Part No: LD-405-2A-70-E-2

Features

※ Short wavelength: λ=405nm(Type)
※ Threshold current: Ith=60mA(Type)
※ Output optical power: 200mW
※ Package: TO-18(Φ5.6mm)

Applications

※ Blu-ray Disc/HD DVD RW
※ Industrial Use

Absolute Maximum Rating at Tc=25℃

Items	Symbols	Values	Unit
Optical Output Power	Po	200	mW
Laser Diode Reverse Voltage	Vr	5	V
Operating Temperature	Topr	-10~+70	℃
Storage Temperature	Tstg	-40~+80	℃

Electrical and Optical Characteristics at Tc=25℃

Items	Symbols	Min	Type	Max.	Unit	Condition
Optical Output Power	Po	-	200	-	mW	CW
Threshold Current	Ith	-	60	80	mA	CW
Operating Current	Iop	-	200	220	mA	Po=200mW
Slope Efficiency	η	-	1.3	1.6	mW/mA	CW
Operating Voltage	Vop	-	4.7	5.5	V	Po=200mW
Lasing Wavelength	λ	400	406	415	nm	Po=200mW
Beam Divergence	//	6	10	14	°	Po=200mW
	⊥	16	20	24	°	Po=200mW
Beam Angle	△//	-	-	±3	°	Po=200mW
	△⊥	-	-	±3	°	Po=200mW

1)Measurement condition: CW
2)Full angle at half maximum.
3)All the above values are measured by OPELUS metheod.

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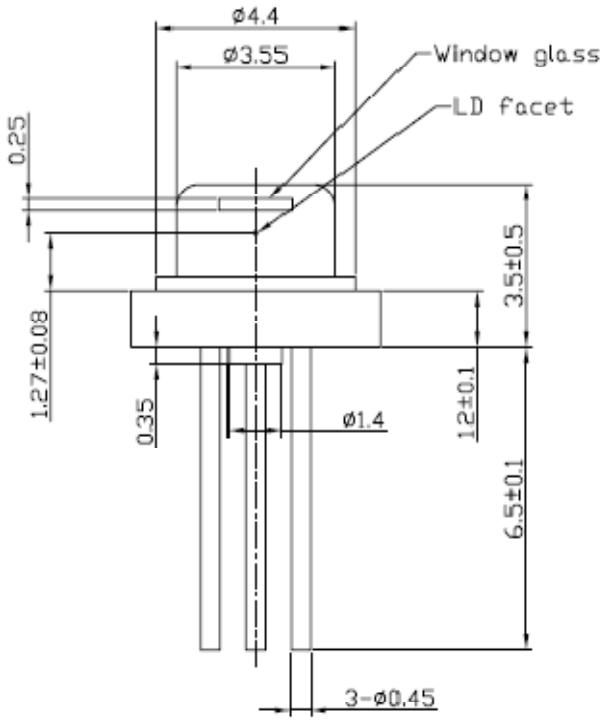
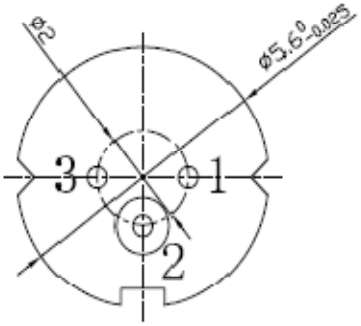
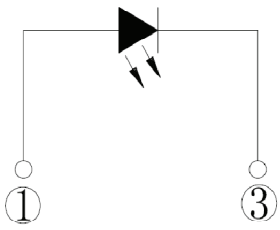
Package and Electrical connection







E-type

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