Infrared Laser Diode

Part No: LD-808-2A-40-B-2

Features

※ Wavelength: λ=808nm(Type)
※ Output optical power: 200mW(CW)
※ Package: TO-18(Φ5.6mm)

Applications

※ Industrial Use

Absolute Maximum Rating at Tc=25℃

Items	Symbols	Values	Unit
Optical Output Power	Po(CW)	220	mW
Laser Diode Reverse Voltage	Vr	2	V
Operating Temperature	Topr	-10~+40	℃
Storage Temperature	Tstg	-40~+80	℃

Electrical and Optical Characteristics at Tc=25℃

Items	Symbols	Min	Type	Max.	Unit	Condition
Optical Output Power	Po	-	220	-	mW	CW
Threshold Current	Ith	-	70	80	mA	CW
Operating Current	Iop	-	250	280	mA	Po=200mW
Slope Efficiency	η	-	1.05	-	mW/mA	Po=200mW
Operating Voltage	Vop	-	1.9	2.3	V	Po=200mW
Lasing Wavelength	λ	805	808	812	nm	Po=200mW
Beam Divergence	//	6	8	10	°	Po=200mW
	⊥	35	40	45	°	Po=200mW
Beam Angle	△//	-	-	±3	°	Po=200mW
	△⊥	-	-	±3	°	Po=200mW
Emission Point Accuracy	△X, △Y, △Z	-80	-	+80	um	-

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

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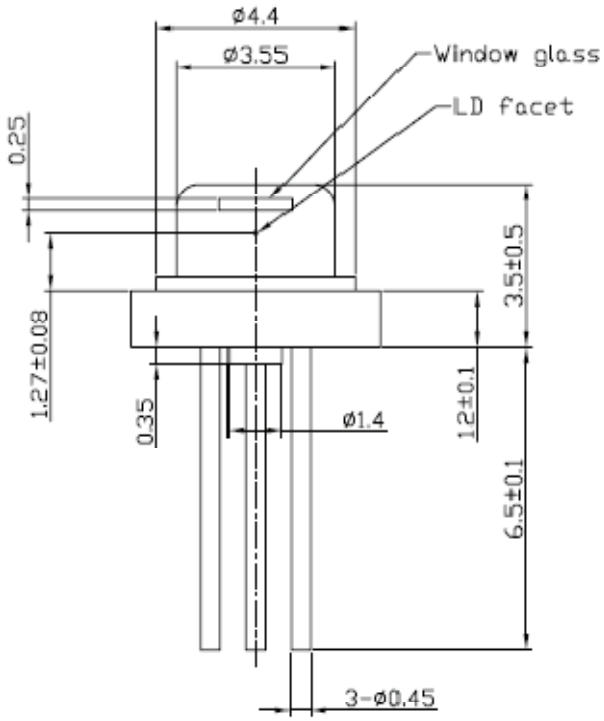
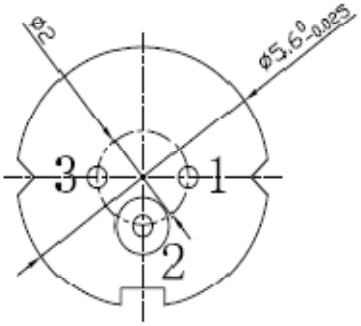
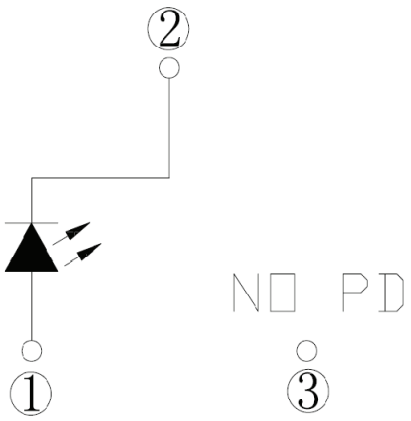
Package and Electrical connection







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