Red Laser Diode

Part No: LD-660-30-50-P-2

Features

※ Wavelength: λ=660nm(Type)
※ Low threshold current: Ith=42mA(Type)
※ Output optical power: 30mW(CW)
※ Package: TO-18(Φ5.6mm)

Applications

※ Industrial Use

Absolute Maximum Rating at Tc=25℃

Items	Symbols	Values	Unit
Optical Output Power	Po(CW)	32	mW
Laser Diode Reverse Voltage	Vr	2	V
PD Reverse Voltage	Vr(PIN)	30	V
Operating Temperature	Topr	-10~+50	℃
Storage Temperature	Tstg	-40~+80	℃

Electrical and Optical Characteristics at Tc=25℃

Items	Symbols	Min	Type	Max.	Unit	Condition
Optical Output Power	Po	-	32	30	mW	CW
Threshold Current	Ith	-	42	55	mA	CW
Operating Current	Iop	-	85	90	mA	Po=30mW
Slope Efficiency	η	0.3	0.7	-	mW/mA	Po=30mW
Operating Voltage	Vop	-	2.4	2.6	V	Po=30mW
Monitor Current	Im	-	0.3	-	mA	Po=30mW
Lasing Wavelength	λ	655	660	668	nm	Po=30mW
Beam Divergence	//	8	9	12	°	Po=30mW
	⊥	17	22	27	°	Po=30mW
Beam Angle	△//	-	-	±2	°	Po=30mW
	△⊥	-	-	±2	°	Po=30mW
Emission Point Accuracy	△X, △Y, △Z	-80	-	80		Po=30mW

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

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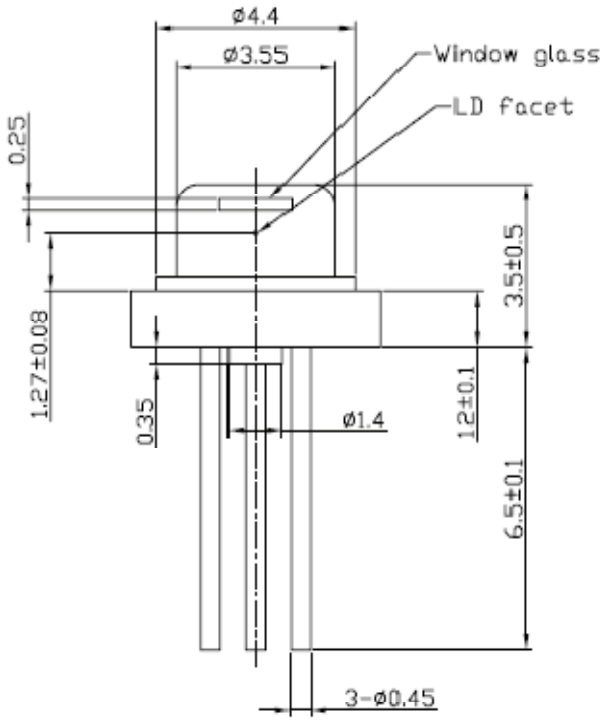
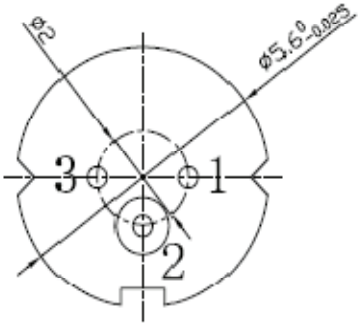
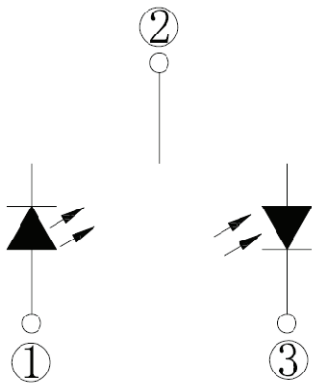
Package and Electrical connection







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