Red Laser Diode

Part No: LD-658-1A-60-P-2

Features

※ Wavelength: λ=658nm(Type)
※ Threshold current: Ith=55mA(Type)
※ Output optical power: 100mW(CW)
※ Package: TO-18(Φ5.6mm)

Applications

※ Industrial Use

Absolute Maximum Rating at Tc=25℃

Items	Symbols	Values	Unit
Optical Output Power	Po(CW)	110	mW
Laser Diode Reverse Voltage	Vr	2	V
Photo Diode Reverse Voltage	Vr(PIN)	30	V
Operating Temperature	Topr	-10~+60	℃
Storage Temperature	Tstg	-40~+80	℃

Electrical and Optical Characteristics at Tc=25℃

Items	Symbols	Min	Type	Max.	Unit	Condition
Optical Output Power	Po	-	110	100	mW	CW
Threshold Current	Ith	-	55	65	mA	CW
Operating Current	Iop	-	155	165	mA	Po=100mW
Operating Voltage	Vop	-	2.5	2.8	V	Po=100mW
Slope Efficiency	η	0.8	1	1.2	mW/mA	CW
Monitor Current	Im	0.1	0.4	0.8	mA	Po=100mW
Lasing Wavelength	λ	650	658	665	nm	Po=100mW
Emission Point Accuracy	△X△Y△Z	-80	-	80	um	Po=100mW
Beam Divergence	//	7	9	10	°	Po=100mW
	⊥	15	19	22	°	Po=100mW
Beam Angle	△//	-	-	±3	°	Po=100mW
	△⊥	-	-	±3	°	Po=100mW

1)Measurement condition: CW
2)Full angle at half maximum.
3)All the above values are measured by OPELUS metheod.
4)Im was selected based on customer requirements.

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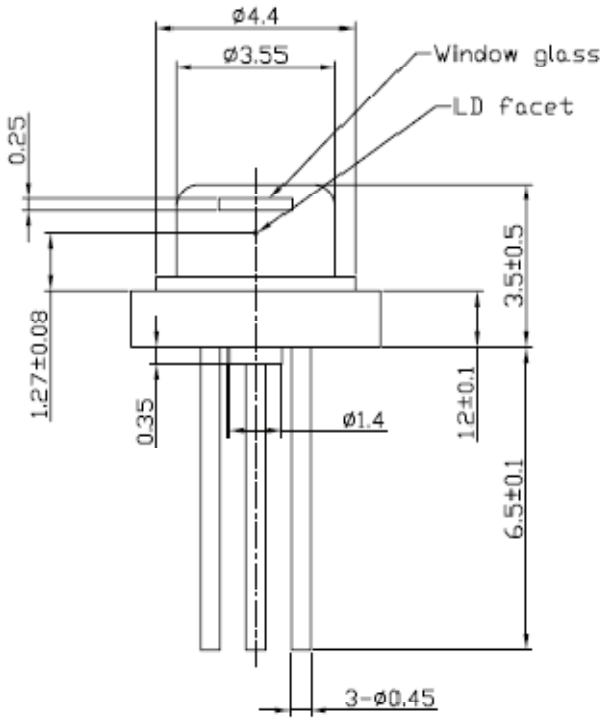
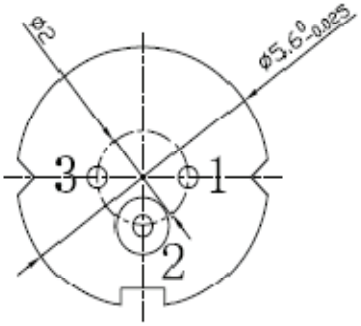
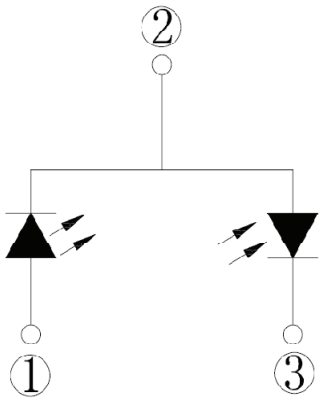
Package and Electrical connection







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