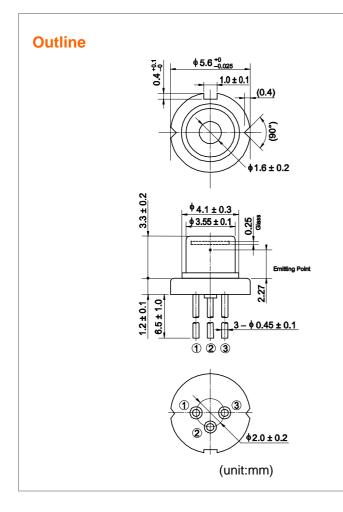
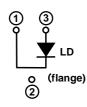
Data Sheet

HL65014DG

AlGalnP Laser Diode



Internal Circuit





647~650nm/150mW

Features:

- Wavelength selection: 647~650nm
- High optical output power: 150mW
- Operating temperature: +40°C
- Small package: φ 5.6mm
- Single transverse mode
- TE mode oscillation

Applications:

- Laser module
- Light source of optical equipments





Absolute Maximum Ratings (Tc=25°C)

Item	Symbol	Ratings	Unit
Optical output power	Po	150	mW
LD Reverse Voltage	VR(LD)	2	V
Operating Temperature	Topr	-10 ~ +40	°C
Storage Temperature	Tstg	-40 ~ +85	°C

Note: Operating temperature is defined by Case temperature "Tc". High increase in temperature of LD chip itself is expected during operation due to high current density. Thus, without proper heat dissipation, it is observed that no specific output power is achieved or it results to LD degradation. It is advised that sufficient measure of heat dissipation should be taken so that LD's maximum operating temperature is not exceeded during actual operation.

Optical and Electrical Characteristics (Tc=25°C)

Parameter	Symbol	Min	Тур	Max	Unit	Test Condition
Threshold current	lth	-	110	140	mA	-
Operating current	Іор	-	280	350	mA	Po=150mW
Operating voltage	Vop	-	2.6	3.0	V	Po=150mW
Beam divergence Parallel to the junction	θ//	6	9	13	0	Po=150mW
Beam divergence Perpendicular to the junction	θ⊥	13	17	22	o	Po=150mW
Lasing Wavelength	λρ	647	-	650	nm	Po=150mW

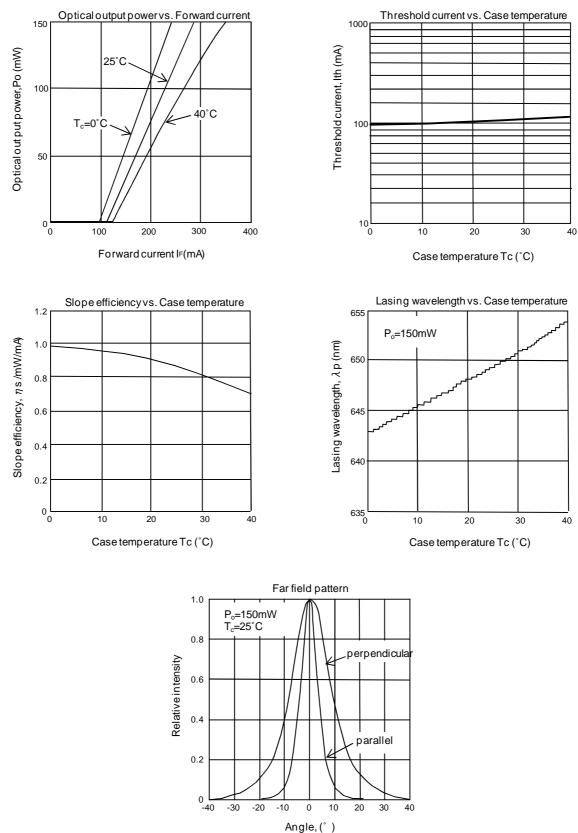


Data Sheet

HL65014DG



Typical Characteristic Curves





Data Sheet

HL65014DG



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Contact Information

www.oclaro.com

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