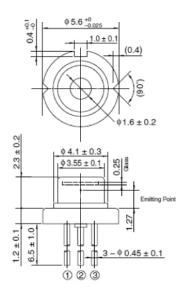
Data Sheet

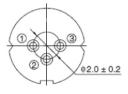
HL6756MG

670nm / 15mW AlGaInP Laser Diode



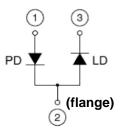
Outline





(Unit:mm)

Internal Circuit



Features

- Operation temperature: -10~+60°C
- Optical output power: 15mW(CW)
- Visible lasing: 670nm Typ.
- Low operating voltage: 2.7V Max.
- Package: \$5.6mm
- Single transverse mode
- TE mode oscillation

Application

- Laser beam printer
- Measurement
- Sensing



Absolute Maximum Ratings (Tc=25°C)

Item	Symbol	Ratings	Unit
Optical output power	Ро	15	mW
LD Reverse Voltage	V _{R(LD)}	2	V
PD Reverse Voltage	V _{R(PD)}	20	V
Operating Temperature	Topr	-10 ~ +60	°C
Storage Temperature	Tstg	-40 ~ +85	°C

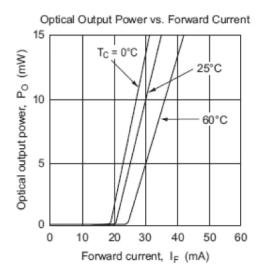
Optical and Electrical Characteristics (Tc=25°C)

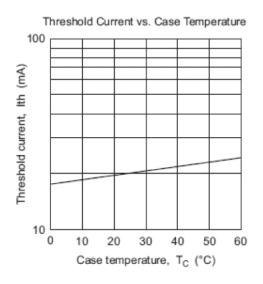
Parameter	Symbol	Min	Тур	Max	Unit	Test Condition
Threshold current	Ith	-	20	30	mA	-
Operating current	lop	-	35	45	mA	Po=15mW
Operating voltage	Vop	-	2.3	2.7	V	Po=15mW
Beam divergence Parallel to the junction	θ//	5	8	11	o	Po=15mW, FWHM
Beam divergence Perpendicular to the junction	θ⊥	20	24	28	o	Po=15mW, FWHM
Lasing Wavelength	λр	660	670	680	nm	Po=15mW
Monitor Current	Is	0.5	1.5	2.5	mA	Po=15mW, V _{R(PD)} =5V

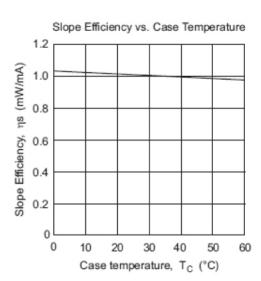
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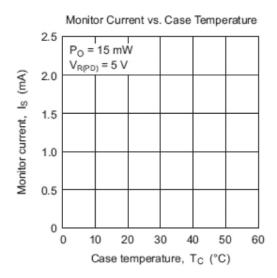


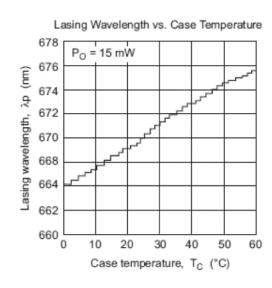
Typical Characteristic Curves

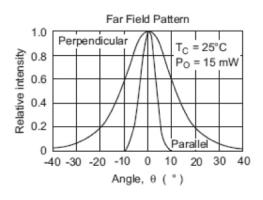












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