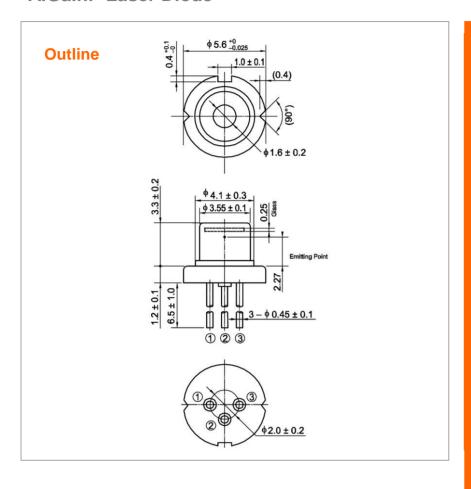


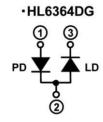
HL6364DG/65DG

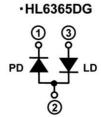
AlGaInP Laser Diode

642nm/65mW



Internal Circuit





Features:

- Visible light output: 642nm Typ.
- Optical output power: 60mW (CW)
- Single transverse mode
- Low operating current: 125mA Typ.
- Low operating voltage: 2.7V Max.
- Operating temperature: +50°C
- TE mode oscillation

Applications

- Laser leveler
- Laser scanner
- Light source of optical equipments

HL6364DG/65DG



Absolute Maximum Ratings (Tc=25°C)

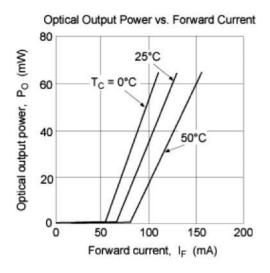
Item	Symbol	Ratings	Unit
Optical output power	Po	65	mW
LD Reverse Voltage	V _{R(LD)}	2	V
PD Reverse Voltage	V _{R(PD)}	30	V
Operating Temperature	Topr	-10 ~ +50	°C
Storage Temperature	Tstg	-40 ~ +85	°C

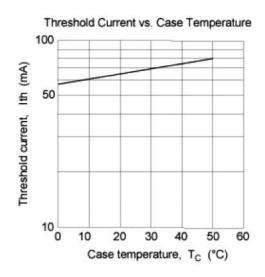
Optical and Electrical Characteristics (Tc=25°C)

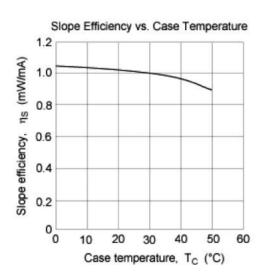
Parameter	Symbol	Min	Тур	Max	Unit	Test Condition
Threshold current	lth	-	65	80	mA	-
Operating current	lop	-	125	155	mA	Po=60mW
Operating voltage	Vop	-	2.5	2.7	V	Po=60mW
Beam divergence Parallel to the junction	θ//	7	10	13	o	Po=60mW
Beam divergence Perpendicular to the junction	θΤ	16	21	24	o	Po=60mW
Lasing Wavelength	λр	635	642	645	nm	Po=60mW
Monitor current	Is	0.2	0.4	0.8	mA	Po=60mW, V _{R(PD)} =5V

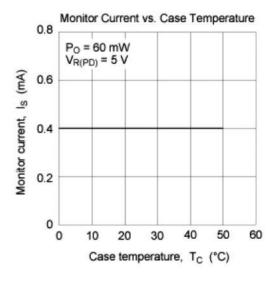


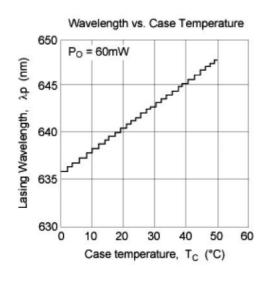
Typical Characteristic Curves

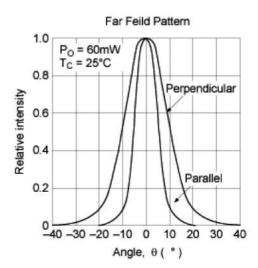












Data Sheet

HL6364DG/65DG



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Contact Information

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