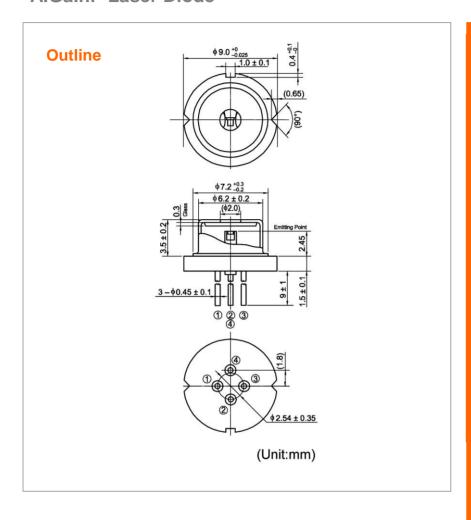


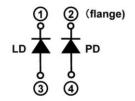
## **HL6548FG**

## **AIGaInP Laser Diode**

### 660nm/100mW



## **Internal Circuit**



### **Features:**

- Optical output power: 90mW (CW)
- Visible light output: 660nm Typ.(Po=90mW)
- 4pin package: 9.0mm diameters
- Single transverse mode
- TE mode oscillation

### **Applications**

- Measurement
- Laser module
- Sensing
- Medical



## **Absolute Maximum Ratings (Tc=25°C)**

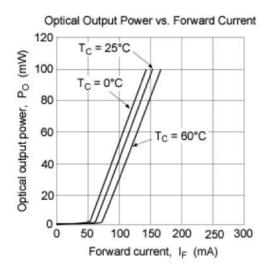
Item	Symbol	Ratings	Unit
Optical output power	Po	100	mW
LD Reverse Voltage	V <sub>R(LD)</sub>	2	V
PD Reverse Voltage	V <sub>R(PD)</sub>	30	V
Operating Temperature	Topr	-10 ~ +60	°C
Storage Temperature	Tstg	-40 ~ +85	°C

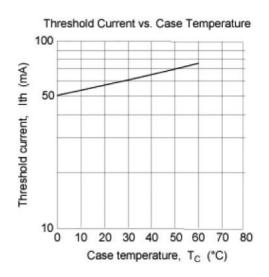
## **Optical and Electrical Characteristics (Tc=25°C)**

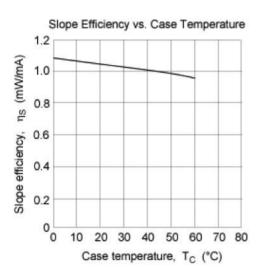
Parameter	Symbol	Min	Тур	Max	Unit	Test Condition
Threshold current	lth	-	55	70	mA	-
Operating current	lop	-	-	180	mA	Po=90mW
Operating voltage	Vop	-	2.4	2.8	V	Po=90mW
Beam divergence Parallel to the junction	θ//	7	10	13	0	Po=90mW
Beam divergence Perpendicular to the junction	θ⊥	15	17	20	0	Po=90mW
Lasing Wavelength	λр	654	660	665	nm	Po=90mW
Monitor current	ls	0.3	0.6	1.2	mA	Po=90mW, V R(PD) =5V

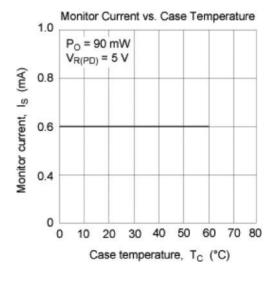
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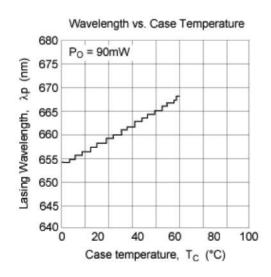
## **Typical Characteristic Curves**

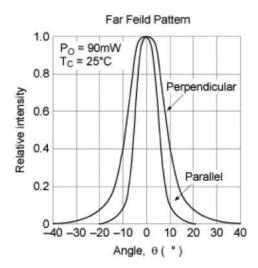












### **Data Sheet**

#### HL6548FG



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### **Contact Information**

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