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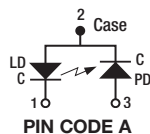
$\lambda = 670 \text{ nm}$, $P = 10 \text{ mW}$, Single Mode Hitachi HL6714G

CAUTION:
ELECTROSTATIC
SENSITIVE



Pin Description

- 1 laser cathode
- 2 common case
- 3 monitor diode anode



- Ø9 mm Package
- AlGaInP Index-Guided Laser Diode with a Multi-Quantum Well (MQW) Structure
- Pulsed Optical Power 12 mW with a 50% Duty Cycle and a Maximum Pulse Width of 1 μs
- Single Longitudinal Mode
- 10 μm (Typical) Astigmatism

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
HL6714G	£ 52.78	€ 63.78	¥ 584.21

*For quantities over 5 pieces, please call our local office for pricing.

ITEM #	PRICE 1-5 PCS	PRICE 6-10 PCS	PRICE 11-20 PCS	DESCRIPTION
HL6714G	\$ 73.30	\$ 71.10	\$ 69.63	Hitachi 670nm, 10mW

Maximum Ratings ($T_c = 25^\circ\text{C}$)

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	10 mW
Optical Output Power (Pulse)	P_o	12 mW*
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	30 V
Operation Case Temperature	T_c	-10 to 50 $^\circ\text{C}$
Storage Temperature	T_{stg}	-40 to 85 $^\circ\text{C}$

*Pulse Condition: Pulse Width $\leq 1 \mu\text{s}$, Duty $\leq 50\%$

Characteristics ($T_c = 25^\circ\text{C}$, $P = 10 \text{ mW}$)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	660 nm	670 nm	680 nm
Threshold Current	I_{th}	20	35 mA	60 mA
Operating Voltage	V_{op}	—	—	2.7 V
Beam Divergence (FWHM)	$\theta//$	5 $^\circ$	8 $^\circ$	11 $^\circ$
	$\theta\perp$	18 $^\circ$	22 $^\circ$	30 $^\circ$
Slope Efficiency	η_s	0.3 mW/mA	0.5 mW/mA	0.8 mW/mA
Monitor Current	I_m	0.3 mA	0.8 mA	1.5 mA

Note: All data are presented as typical unless otherwise specified

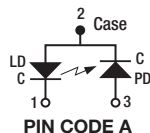
$\lambda = 670 \text{ nm}$, $P = 15 \text{ mW}$, Single Mode Opnext HL6756MG

CAUTION:
ELECTROSTATIC
SENSITIVE



Pin Description

- 1 laser cathode
- 2 common case
- 3 monitor diode anode



- Ø5.6 mm Package
- 670 nm (Typical) Wavelength
- 15 mW Output Power (CW)
- 20 mA (Typical) Threshold Current

NEW
product

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
HL6756MG	£ 70.56	€ 85.26	¥ 781.06

*For quantities over 5 pieces, please call our local office for pricing.

ITEM #	PRICE 1-5 PCS	PRICE 6-10 PCS	PRICE 11-20 PCS	DESCRIPTION
HL6756MG	\$ 98.00	\$ 94.08	\$ 92.12	Opnext 670 nm, 15 mW

Maximum Ratings ($T_c = 25^\circ\text{C}$)

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	15 mW
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	20 V
Operation Case Temperature	T_{op}	-10 to 60 $^\circ\text{C}$
Storage Temperature	T_{stg}	-40 to 85 $^\circ\text{C}$

Characteristics ($T_c = 25^\circ\text{C}$, $P = 15 \text{ mW}$)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	660 nm	670 nm	680 nm
Threshold Current	I_{th}	—	20 mA	30 mA
Operating Current	I_{op}	—	35 mA	45 mA
Operating Voltage	V_{op}	—	2.3 V	2.7 V
Beam Divergence (FWHM)	$\theta//$	5 $^\circ$	8 $^\circ$	11 $^\circ$
	$\theta\perp$	20 $^\circ$	24 $^\circ$	28 $^\circ$
Slope Efficiency	η_s	—	—	—
Monitor Current	I_m	0.5 mA	1.5 mA	2.5 mA

Note: All data are presented as typical unless otherwise specified.

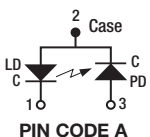
$\lambda = 670 \text{ nm}$, $P = 500 \text{ mW}$, Multimode Sony SLD1332V

CAUTION:
ELECTROSTATIC
SENSITIVE



Pin Description

- 1 laser cathode
- 2 common case
- 3 monitor diode anode



- Ø9 mm Package
- 670 nm (Typical) Wavelength
- 500 mW Output Power (CW)
- 400 mA (Typical) Threshold Current

NEW
product

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
SLD1332V	£ 495.15	€ 598.30	¥ 5,480.97

*For quantities over 5 pieces, please call our local office for pricing.

ITEM #	PRICE 1-5 PCS	PRICE 6-10 PCS	PRICE 11-20 PCS	DESCRIPTION
SLD1332V	\$ 687.70	\$ 673.95	\$ 667.07	Sony 670 nm, 500 mW

Maximum Ratings ($T_c = 25^\circ\text{C}$)

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	550 mW*
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	15 V
Operation Case Temperature	T_{op}	-10 to 30 $^\circ\text{C}$
Storage Temperature	T_{stg}	-40 to 85 $^\circ\text{C}$

*500 mW Typical

Characteristics ($T_c = 25^\circ\text{C}$, $P = 500 \text{ mW}$)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	660 nm	670 nm	680 nm
Threshold Current	I_{th}	—	400 mA	700 mA
Operating Current	I_{op}	—	800 mA	1200 mA
Operating Voltage	V_{op}	—	2.4 V	3.2 V
Beam Divergence (FWHM)	$\theta//$	4 $^\circ$	8 $^\circ$	15 $^\circ$
	$\theta\perp$	15 $^\circ$	23 $^\circ$	30 $^\circ$
Slope Efficiency	η_s	—	1.0 mW/mA	—
Monitor Current	I_m	—	0.7 mA	—

Note: All data are presented as typical unless otherwise specified.