

$\lambda = 635 \text{ nm}$, $P = 15 \text{ mW}$, Single Mode Hitachi HL6322G

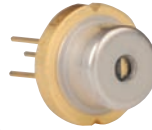
Maximum Ratings ($T_C = 25^\circ\text{C}$)

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	15 mW
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	30 V
Operation Case Temperature	T_{op}	-10 to 50°C
Storage Temperature	T_{stg}	-40 to 85°C

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

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	630 nm	635 nm	640 nm
Threshold Current	I_{th}	20 mA	55 mA	70 mA
Operating Current	I_{op}	–	85 mA	100 mA
Operating Voltage	V_{op}	–	–	2.7 V
Beam Divergence (FWHM)	$\theta_{//}$	6°	8°	11°
	θ_{\perp}	25°	30°	36°
Slope Efficiency	η_s	0.3 mW/mA	–	0.7 mW/mA
Monitor Current	I_m	0.1 mA	0.2 mA	0.4 mA

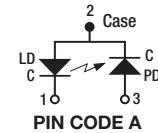
Note: All data are presented as typical unless otherwise specified.



Pin Description

- laser cathode
- common case
- monitor diode anode

- Ø9 mm Package
- TM Mode Oscillation
- 15 mW Optical Output Power (CW)
- Single Longitudinal Mode



ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
HL6322G	£ 92.67	€ 111.97	¥ 1,025.74

*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
HL6322G	\$ 128.70	\$ 119.69	\$ 113.26	Hitachi 635 nm, 15 mW

$\lambda = 635 \text{ nm}$, $P = 30 \text{ mW}$, Single Mode Sanyo DL5038-021

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

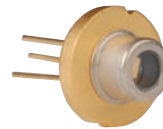
CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	35 mW*
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	30 V
Operation Case Temperature	T_{op}	-10 to 40°C
Storage Temperature	T_{stg}	-40 to 85°C

*30 mW Typical

Characteristics ($T_C = 25^\circ\text{C}$, $P = 30 \text{ mW}$)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	–	635 nm	645 nm
Threshold Current	I_{th}	–	50 mA	70 mA
Operating Current	I_{op}	–	90 mA	110 mA
Operating Voltage	V_{op}	–	2.4 V	2.7 V
Beam Divergence (FWHM)	$\theta_{//}$	6°	7°	9°
	θ_{\perp}	25°	30°	35°
Monitor Current	I_m	0.1 mA	0.3 mA	0.6 mA

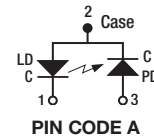
Note: All data are presented as typical unless otherwise specified.



Pin Description

- laser cathode
- common case
- monitor diode anode

- Ø9 mm Package
- AlGaInP Index Guided-MQW Structure
- High Power/Low Threshold Current
- 1 x 3 μm Emitter Size



ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
DL5038-021	£ 285.27	€ 344.70	¥ 3,157.72

*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
DL5038-021	\$ 396.20	\$ 368.47	\$ 352.62	Sanyo 635 nm, 30 mW

$\lambda = 637 \text{ nm}$, $P = 170 \text{ mW}$, Single Mode Opnext HL63133DG

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

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	170 mW
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	–
Operation Case Temperature	T_{op}	-10 to 40°C
Storage Temperature	T_{stg}	-40 to 85°C

Characteristics ($T_C = 25^\circ\text{C}$, $P = 170 \text{ mW}$)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	632 nm	637 nm	643 nm
Threshold Current	I_{th}	–	60 mA	90 mA
Operating Current	I_{op}	–	250 mA	320 mA
Operating Voltage	V_{op}	–	2.8 V	3.2 V
Beam Divergence (FWHM)	$\theta_{//}$	5°	9°	13°
	θ_{\perp}	13°	17°	23°

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

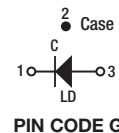


NEW
product

Pin Description

- laser cathode
- case
- laser anode

- Ø5.6 mm Package
- 170 mW (Typical) Output Power (CW)
- TE Mode Oscillation



ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
HL63133DG	£ 273.60	€ 330.60	¥ 3,028.60

*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
HL63133DG	\$ 380.00	\$ 342.00	\$ 323.00	Opnext 637 nm, 170 mW

637 nm
Pigtailed
Laser Diodes



Available in SM
and MM Versions

See page
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