

For current pricing, please see our website.

CHAPTERS

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SECTIONS

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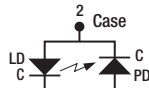
$\lambda = 639 \text{ nm}$, $P = 20 \text{ mW}$, Single Mode Opnext HL6360MG

CAUTION: ELECTROSTATIC SENSITIVE



NEW product

Pin Description
 1 laser cathode
 2 common case
 3 monitor diode anode



PIN CODE A

- Ø5.6 mm Package
- 639 nm (Typ.) Wavelength
- 20 mW (Typical) Output Power (CW)
- 45 mA (Typ.) Threshold Current

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

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	25 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°C
Storage Temperature	T_{stg}	-40 to 85°C

*20 mW Typical

Characteristics ($T_c = 25^\circ\text{C}$, $P = 20 \text{ mW}$)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	630 nm	639 nm	643 nm
Threshold Current	I_{th}	—	45 mA	60 mA
Operating Current	I_{op}	—	65 mA	80 mA
Operating Voltage	V_{op}	—	2.3 V	2.5 V
Beam Divergence (FWHM)	$\theta//$	6°	9°	12°
	$\theta\perp$	16°	21°	24°
Monitor Current	I_m	0.1 mA	0.2 mA	0.4 mA

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

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
HL6360MG	£ 37.18	€ 44.92	¥ 411.50

*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
HL6360MG	\$ 51.63	\$ 50.08	\$ 48.53	Opnext 639 nm, 20 mW

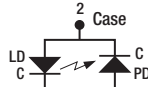
$\lambda = 639 \text{ nm}$, $P = 30 \text{ mW}$, Single Mode Opnext HL6323MG

CAUTION: ELECTROSTATIC SENSITIVE



NEW product

Pin Description
 1 laser cathode
 2 common case
 3 monitor diode anode



PIN CODE A

- Ø5.6 mm Package
- AlGaInP Laser Diode with Multi-Quantum Well (MQW) Structure
- 30 mW (Typ.) Optical Output Power (CW)
- 0.6 W/A (Typical) Slope Efficiency
- 50 mW Pulsed Optical Power with a 20% Duty Cycle and a Maximum Pulse Width of 100 ns

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

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	35 mW*
Pulsed Optical Power	P_o (Pulse)	50 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

*30 mW Typical **Pulse Condition: Pulse Width = 100 ns, Duty = 20%

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

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	635 nm	639 nm	642 nm
Threshold Current	I_{th}	30 mA	45 mA	65 mA
Operating Current	I_{op}	—	95 mA	130 mA
Operating Voltage	V_{op}	—	2.3 V	2.8 V
Beam Divergence (FWHM)	$\theta//$	7°	8.5°	11°
	$\theta\perp$	26°	30°	34°
Slope Efficiency	η_s	0.4 W/A	0.6 W/A	0.9 W/A
Monitor Current	I_m	0.05 mA	0.15 mA	0.25 mA

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

ITEM #	£	€	RMB	DESCRIPTION
HL6323MG	£ 108.00	€ 130.50	¥ 1,195.50	Opnext 639 nm, 30 mW

*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
HL6323MG	\$ 150.00	\$ 145.50	\$ 142.50	Opnext 639 nm, 30 mW

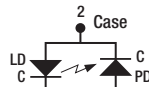
$\lambda = 640 \text{ nm}$, $P = 40 \text{ mW}$, Single Mode Opnext HL6362MG

CAUTION: ELECTROSTATIC SENSITIVE



NEW product

Pin Description
 1 laser cathode
 2 common case
 3 monitor diode anode



PIN CODE A

- Ø5.6 mm Package
- 640 nm (Typ.) Wavelength
- 40 mW Output Power (CW)
- 45 mA (Typ.) Threshold Current

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

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	45 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°C
Storage Temperature	T_{stg}	-40 to 85°C

*40 mW Typical

Characteristics ($T_c = 25^\circ\text{C}$, $P = 40 \text{ mW}$)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	—	640 nm	643 nm
Threshold Current	I_{th}	—	45 mA	60 mA
Operating Current	I_{op}	—	90 mA	110 mA
Operating Voltage	V_{op}	—	2.4 V	2.6 V
Beam Divergence (FWHM)	$\theta//$	7°	10°	13°
	$\theta\perp$	16°	21°	24°
Monitor Current	I_m	0.15 mA	0.30 mA	0.60 mA

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

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
HL6362MG	£ 141.12	€ 170.52	¥ 1,562.12

*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
HL6362MG	\$196.00	\$ 186.20	\$ 176.40	Opnext 640 nm, 40 mW