

642 nm
Pigtailed
Laser Diode

Available with
Single Mode Fiber

See page
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$\lambda = 642 \text{ nm}$, $P = 60 \text{ mW}$, Single Mode Opnext HL6364DG

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

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	65 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

*60 mW Typical

Characteristics ($T_c = 25^\circ\text{C}$, $P = 60 \text{ mW}$)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	635 nm	642 nm	645 nm
Threshold Current	I_{th}	—	65 mA	80 mA
Operating Current	I_{op}	—	125 mA	155 mA
Operating Voltage	V_{op}	—	2.5 V	2.7 V
Beam Divergence (FWHM)	$\theta_{//}$	7°	10°	13°
	$\theta_{\perp}$	16°	21°	24°
Monitor Current	I_m	0.2 mA	0.4 mA	0.8 mA

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

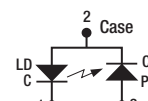
CAUTION:
ELECTROSTATIC
SENSITIVE

NEW
product

- $\varnothing 5.6 \text{ mm}$ Package
- 642 nm (Typical) Wavelength
- 60 mW (Typical) Output Power (CW)
- 65 mA (Typical) Threshold Current

Pin Description

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



PIN CODE A

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
HL6364DG	£ 199.08	€ 240.56	¥ 2,203.71

*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
HL6364DG	\$276.50	\$ 243.32	\$ 223.97	Opnext 642 nm, 60 mW

$\lambda = 642 \text{ nm}$, $P = 80 \text{ mW}$, Single Mode Opnext HL6366DG

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

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	90 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

*80 mW Typical

Characteristics ($T_c = 25^\circ\text{C}$, $P = 80 \text{ mW}$)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	635 nm	642 nm	645 nm
Threshold Current	I_{th}	—	80 mA	95 mA
Operating Current	I_{op}	—	155 mA	175 mA
Operating Voltage	V_{op}	—	2.5 V	2.7 V
Beam Divergence (FWHM)	$\theta_{//}$	7°	10°	13°
	$\theta_{\perp}$	16°	21°	24°
Monitor Current	I_m	0.1 mA	0.3 mA	0.5 mA

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

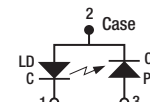
CAUTION:
ELECTROSTATIC
SENSITIVE

NEW
product

- $\varnothing 5.6 \text{ mm}$ Package
- 642 nm (Typical) Wavelength
- 80 mW (Typical) Output Power (CW)
- 80 mA (Typical) Threshold Current

Pin Description

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



PIN CODE A

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
HL6366DG	£ 246.96	€ 298.41	¥ 2,733.71

*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
HL6366DG	\$343.00	\$ 325.85	\$ 308.70	Opnext 642 nm, 80 mW

$\lambda = 642 \text{ nm}$, $P = 150 \text{ mW}$, Single Mode Opnext HL6385DG

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

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	150 mW
LD Reverse Voltage	$V_{R(LD)}$	2 V
Operation Case Temperature	T_c	-10 to 40°C
Storage Temperature	T_{stg}	-40 to 85°C

Characteristics ($T_c = 25^\circ\text{C}$, $P = 150 \text{ mW}$)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	635 nm	642 nm	647 nm
Threshold Current	I_{th}	—	110 mA	140 mA
Operating Current	I_{op}	—	280 mA	350 mA
Operating Voltage	V_{op}	—	2.6 V	3.0 V
Beam Divergence (FWHM)	$\theta_{//}$	6°	9°	13°
	$\theta_{\perp}$	13°	17°	22°

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

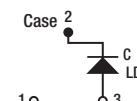
CAUTION:
ELECTROSTATIC
SENSITIVE

NEW
product

- $\varnothing 5.6 \text{ mm}$ Package
- 642 nm (Typical) Wavelength
- 150 mW (Typical) Output Power (CW)
- 110 mA (Typical) Threshold Current

Pin Description

- 1 unused
- 2 case/laser cathode
- 3 laser anode



PIN CODE H

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
HL6385DG	£ 340.20	€ 411.08	¥ 3,765.83

*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
HL6385DG	\$472.50	\$ 448.88	\$ 425.25	Opnext 642 nm, 150 mW