λ = 658 nm, P = 50 mW, Single Mode Thorlabs L658P060

Maximum Ratings (T_C = 25 °C)

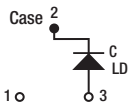
CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	50 mW
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	30 V
Operation Case Temperature	T_{op}	-10 to 75 °C
Storage Temperature	T_{stg}	-40 to 85 °C

CAUTION: ELECTROSTATIC SENSITIVE

NEW product

Pin Description
1 no connection
2 case/laser cathode
3 laser anode

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



PIN CODE H

Characteristics (T_C = 25 °C, P = 50 mW)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	648 nm	658 nm	668 nm
Threshold Current	I_{th}	–	45 mA	65 mA
Operating Current	I_{op}	–	90 mA	125 mA
Operating Voltage	V_{op}	–	2.7 V	3.1 V
Beam Divergence (FWHM)	θ//	5°	10°	12°
	θ⊥	16°	20°	22°
Slope Efficiency	η_s	0.5	1.0	1.2

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

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
L658P060	£ 66.04	€ 79,80	¥ 731.01

*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
L658P060	$ 91.72	$ 89.89	$ 88.97	Thorlabs 658 nm, 50 mW

λ = 658 nm, P = 50 mW, Single Mode Thorlabs L658P050

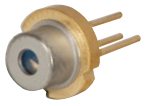
Maximum Ratings (T_C = 25 °C)

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	60 mW*
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	30 V
Operation Case Temperature	T_{op}	-10 to 75 °C
Storage Temperature	T_{stg}	-40 to 85 °C

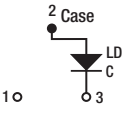
*50 mW Typical

Pin Description
1 no connection
2 case/laser anode
3 laser cathode

CAUTION: ELECTROSTATIC SENSITIVE



NEW product



PIN CODE E

- Ø5.6 mm Package
- AlGaInP Laser Diode with Multi-Quantum Well (MQW) Structure
- 50 mW (Typ.) Optical Output Power (CW)

Characteristics (T_C = 25 °C, P = 50 mW)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	648 nm	658 nm	668 nm
Threshold Current	I_{th}	–	45 mA	65 mA
Operating Current	I_{op}	–	90 mA	125 mA
Operating Voltage	V_{op}	–	2.7 V	3.1 V
Beam Divergence (FWHM)	θ//	5°	10°	12°
	θ⊥	16°	20°	22°
Slope Efficiency	η_s	0.5 W/A	1.0 W/A	1.2 W/A

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

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
L658P050	£ 61.31	€ 74,08	¥ 678.57

*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
L658P050	$ 85.14	$ 80.88	$ 76.63	Thorlabs 658 nm, 50 mW

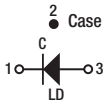
λ = 660 nm, P = 50 mW, Single Mode Opnext HL6544FM

CAUTION: ELECTROSTATIC SENSITIVE

NEW product

Pin Description
1 laser cathode
2 case
3 laser anode

- Ø5.6 mm Package
- 660 nm (Typical) Wavelength
- 50 mW Output Power (CW)
- 60 mA (Typical) Threshold Current



PIN CODE G

Maximum Ratings (T_C = 25 °C)

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	130 mW*
LD Reverse Voltage	$V_{R(LD)}$	2 V
Operation Case Temperature	T_{op}	-10 to 75 °C
Storage Temperature	T_{stg}	-40 to 85 °C

*50 mW Typical

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
HL6544FM	£ 42.22	€ 51,01	¥ 467.29

*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
HL6544FM	$ 58.63	$ 56.28	$ 54.53	Opnext 660 nm, 50 mW

Characteristics (T_C = 25 °C, P = 50 mW)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	654 nm	660 nm	666 nm
Threshold Current	I_{th}	–	60 mA	75 mA
Operating Current	I_{op}	–	115 mA	135 mA
Operating Voltage	V_{op}	–	2.3 V	2.8 V
Beam Divergence (FWHM)	θ//	7.0°	10.0°	12.0°
	θ⊥	15°	17°	21°

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

Did you know...

All laser diodes are extremely electrostatic sensitive; see page 468 for our selection of antistatic products.