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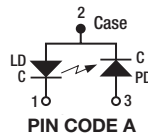
Femtosecond
Lasers

Optical Amplifiers

 $\lambda = 808 \text{ nm}$, $P = 200 \text{ mW}$, Multimode Thorlabs L808P200

Pin Description

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



- Ø5.6 mm Package
- Index-Guided MQW Structure
- 1 x 40 μm Emitter Size
- 11 μm (Typical) Astigmatism
- Multimode

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
L808P200	£ 45.15	€ 54.55	¥ 499.72

*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
L808P200	\$ 62.70	\$ 60.82	\$ 59.57	Thorlabs 808 nm, 200 mW

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

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	200 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 $^\circ\text{C}$

Characteristics ($T_c = 25^\circ\text{C}$, $P = 200 \text{ mW}$)

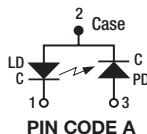
CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	805 nm	808 nm	811 nm
Threshold Current	I_{th}	60 mA	80 mA	100 mA
Operating Current	I_{op}	220 mA	260 mA	300 mA
Operating Voltage	V_{op}	1.8 V	2.0 V	2.5 V
Beam Divergence (FWHM)	$\theta//$	8 $^\circ$	10 $^\circ$	12 $^\circ$
	θ_\perp	25 $^\circ$	30 $^\circ$	40 $^\circ$
Slope Efficiency	η_s	0.5 mW/mA	0.7 mW/mA	0.9 mW/mA
Monitor Current	I_m	0.5 mA	1.3 mA	2.0 mA

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

 $\lambda = 808 \text{ nm}$, $P = 1 \text{ W}$, Multimode Thorlabs L808P1WJ

Pin Description

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



- Ø9 mm Package
- Single Emitter
- 1 x 100 μm Emitter Size
- Patented Device Structure
- 1W Multimode Output

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
L808P1WJ	£ 268.92	€ 324.95	¥ 2,976.80

*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
L808P1WJ	\$ 373.50	\$ 343.62	\$ 324.95	Thorlabs 808 nm, 1 W

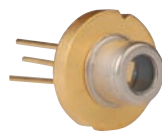
Maximum Ratings ($T_c = 25^\circ\text{C}$)

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	1 W
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	20 V
Operation Case Temperature	T_c	-20 to 50 $^\circ\text{C}$
Storage Temperature	T_{stg}	-40 to 85 $^\circ\text{C}$

Characteristics ($T_c = 25^\circ\text{C}$, $P = 1 \text{ W}$)

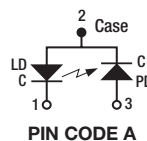
CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	798 nm	808 nm	818 nm
Threshold Current	I_{th}	-	1 A	1.2 A
Operating Current	I_{op}	-	1.9 A	2.5 A
Operating Voltage	V_{op}	-	1.65 V	2.0 V
Beam Divergence (FWHM)	$\theta//$	4 $^\circ$	7 $^\circ$	10 $^\circ$
	θ_\perp	28 $^\circ$	33 $^\circ$	38 $^\circ$
Slope Efficiency	η_s	0.8 W/A	1.1 W/A	-
Monitor Current	I_m	0.05 mA	-	10 mA

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

 $\lambda = 830 \text{ nm}$, $P = 30 \text{ mW}$, Single Mode Sanyo DL5032-001

Pin Description

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



- Ø9 mm Package
- 30 mA (Typical) Threshold Current
- 30 mW Output Power
- Single Transverse Mode
- 10 μm (Max) Astigmatism

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
DL5032-001	£ 71.21	€ 86.05	¥ 788.24

*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
DL5032-001	\$ 98.90	\$ 92.97	\$ 88.02	Sanyo 830 nm, 30 mW

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

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	40 mW*
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	30 V
Operating Temperature	T_{opr}	-10 to 60 $^\circ\text{C}$
Storage Temperature	T_{stg}	-40 to 80 $^\circ\text{C}$

*30 mW Typical

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

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	810 nm	830 nm	840 nm
Threshold Current	I_{th}	20 mA	30 mA	40 mA
Operating Current	I_{op}	-	60 mA	90 mA
Operating Voltage	V_{op}	-	1.9 V	2.5 V
Beam Divergence (FWHM)	$\theta//$	5 $^\circ$	7.5 $^\circ$	10 $^\circ$
	θ_\perp	15 $^\circ$	18 $^\circ$	23 $^\circ$
Slope Efficiency	η_s	0.6 mW/mA	1.0 mW/mA	1.3 mW/mA
Monitor Current	I_m	0.05 mA	0.1 mA	-

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

830 nm
Pigtailed
Laser DiodesAvailable in SM
and PM VersionsSee page
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