λ = 808 nm, P = 30 mW, Single Mode Thorlabs L808P030

Maximum Ratings (T_C = 25 °C)

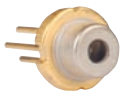
CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	30 mW
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	30 V
Operation Case Temperature	T_c	-10 to 50 °C
Storage Temperature	T_{stg}	-40 to 85 °C

Characteristics (T_C = 25 °C, P = 30 mW)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	795 nm	808 nm	820 nm
Threshold Current	I_{th}	30 mA	50 mA	70 mA
Operating Current	I_{op}	40 mA	100 mA	150 mA
Operating Voltage	V_{op}	1.8 V	2.0 V	2.5 V
Beam Divergence (FWHM)	θ//	8°	10°	12°
	θ⊥	25°	30°	40°
Slope Efficiency	η_s	0.5 mW/mA	0.7 mW/mA	0.9 mW/mA
Monitor Current	I_m	0.05 mA	0.3 mA	1.0 mA

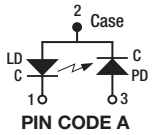
Note: All data are presented as typical unless otherwise specified.

CAUTION: ELECTROSTATIC SENSITIVE



- Ø5.6 mm Package
- Index-Guided MQW Structure
- 1 x 5 µm Emitter Size
- 11 µm (Typical) Astigmatism

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
L808P030	£ 54.87	€ 66,30	¥ 607.32

*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
L808P030	$ 76.20	$ 73.15	$ 70.87	Thorlabs 808 nm, 30 mW

λ = 808 nm, P = 100 mW, Single Mode Axcel M9-808-0100

Maximum Ratings (T_C = 25 °C)

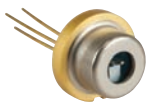
CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	100 mW
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	30 V
Operation Case Temperature	T_c	-20 to 50 °C
Storage Temperature	T_{stg}	-40 to 80 °C

Characteristics (T_C = 25 °C, P = 100 mW)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	803 nm	808 nm	813 nm
Threshold Current	I_{th}	–	30 mA	50 mA
Operating Current	I_{op}	–	130 mA	150 mA
Operating Voltage	V_{op}	–	1.9 V	2.2 V
Beam Divergence (FWHM)	θ//	–	8°	11°
	θ⊥	13°	17°	22°
Slope Efficiency	η_s	0.9 mW/mA	1.0 mW/mA	–
Monitor Current	I_m	–	0.033 mA	–

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

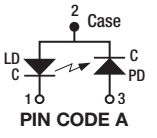
CAUTION: ELECTROSTATIC SENSITIVE



NEW product

- Ø9 mm Package
- 808 nm (Typical) Wavelength
- 100 mW Output Power (CW)
- 30 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
M9-808-0100	£ 214.05	€ 258,64	¥ 2,369.33

*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
M9-808-0100	$297.28	$282.42	$ 267.55	Axcel 808 nm, 100 mW

λ = 808 nm, P = 150 mW, Single Mode Axcel M9-808-0150

Maximum Ratings (T_C = 25 °C)

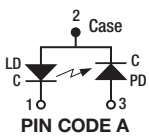
CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	150 mW
LD Reverse Voltage	$V_{R(LD)}$	2 V
PD Reverse Voltage	$V_{R(PD)}$	30 V
Operation Case Temperature	T_c	-20 to 50 °C
Storage Temperature	T_{stg}	-40 to 80 °C

Characteristics (T_C = 25 °C, P = 150 mW)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	803 nm	808 nm	813 nm
Threshold Current	I_{th}	–	30 mA	50 mA
Operating Current	I_{op}	–	180 mA	220 mA
Operating Voltage	V_{op}	–	1.9 V	2.2 V
Beam Divergence (FWHM)	θ//	–	8°	11°
	θ⊥	13°	17°	22°
Slope Efficiency	η_s	0.9 mW/mA	1.0 mW/mA	–
Monitor Current	I_m	–	0.045 mA	–

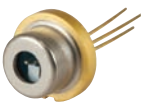
Note: All data are presented as typical unless otherwise specified.

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



PIN CODE A

CAUTION: ELECTROSTATIC SENSITIVE



NEW product

- Ø9 mm Package
- 808 nm (Typical) Wavelength
- 150 mW Output Power (CW)
- 30 mA (Typical) Threshold Current

ITEM #	£* 1-5 PCS	€* 1-5 PCS	RMB* 1-5 PCS
M9-808-0150	£ 318.65	€ 385,03	¥ 3,527.21

*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
M9-808-0150	$ 442.56	$ 393.88	$ 362.90	Axcel 808 nm, 150 mW

808 nm Pigtailed Laser Diode

Available with Single Mode Fiber

See page 1253