

$\lambda = 980 \text{ nm}$, $P = 100 \text{ mW}$, Multimode Thorlabs L980P100

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

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	-10 to 50°C
Storage Temperature	T_{stg}	-40 to 85°C

Characteristics ($T_c = 25^\circ\text{C}$, $P = 100 \text{ mW}$)

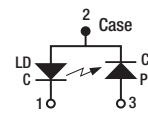
CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	965 nm	980 nm	995 nm
Threshold Current	I_{th}	35 mA	50 mA	70 mA
Operating Current	I_{op}	100 mA	200 mA	300 mA
Operating Voltage	V_{op}	1.8 V	2.0 V	2.5 V
Beam Divergence (FWHM)	$\theta_{//}$	8°	10°	12°
	θ_{\perp}	25°	30°	40°
Slope Efficiency	η_s	0.5 mW/mA	0.7 mW/mA	0.9 mW/mA
Monitor Current	I_m	0.5 mA	2 mA	3 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

- $\varnothing 5.6 \text{ mm}$ Package
- Index-Guided MQW Structure
- $1 \times 40 \mu\text{m}$ Emitter Size
- Multimode
- $11 \mu\text{m}$ (Typical) Astigmatism

ITEM #	£*	€*	RMB*
L980P100	1-5 PCS £ 73.52	1-5 PCS € 88,83	1-5 PCS ¥ 813.74

*For quantities over 5 pieces, please call our local office for pricing.

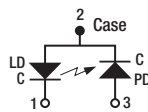
ITEM #	PRICE 1-5 PCS	PRICE 6-10 PCS	PRICE 11-20 PCS	DESCRIPTION
L980P100	\$102.10	\$ 99.04	\$ 97.00	Thorlabs 980 nm, 100 mW

$\lambda = 980 \text{ nm}$, $P = 200 \text{ mW}$, Single Mode Thorlabs L980P200J



Pin Description

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



PIN CODE A

- $\varnothing 9 \text{ mm}$ Package
- 0.85 mW/mA (Typical) Slope Efficiency
- Single Transverse Mode
- Patented Device Structure, F000038US01

ITEM #	£*	€*	RMB*
L980P200J	1-5 PCS £ 367.06	1-5 PCS € 443,53	1-5 PCS ¥ 4,063.11

*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
L980P200J	\$ 509.80	\$ 458.82	\$ 433.33	Thorlabs 980 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	$V_{R(PD)}$	20 V
Operation Case Temperature	T_c	-20 to 50°C
Storage Temperature	T_{stg}	-40 to 85°C

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

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	970 nm	980 nm	990 nm
Threshold Current	I_{th}	–	45 mA	90 mA
Operating Current	I_{op}	–	260 mA	320 mA
Operating Voltage	V_{op}	–	1.4 V	1.7 V
Beam Divergence (FWHM)	$\theta_{//}$	4°	6°	10°
	θ_{\perp}	28°	33°	38°
Slope Efficiency	η_s	0.8 mW/mA	0.9 mW/mA	–
Monitor Current	I_m	0.05 mA	–	10 mA

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

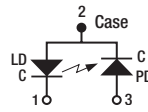
$\lambda = 980 \text{ nm}$, $P = 250 \text{ mW}$, Single Mode Axcel M9-980-0250



NEW
product

Pin Description

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



PIN CODE A

- $\varnothing 9 \text{ mm}$ Package
- 980 nm (Typical) Wavelength
- 250 mW Output Power (CW)
- 30 mA (Typical) Threshold Current

ITEM #	£*	€*	RMB*
M9-980-0250	1-5 PCS £ 262.57	1-5 PCS € 317,28	1-5 PCS ¥ 2,906.50

*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
M9-980-0250	\$364.68	\$ 346.45	\$ 328.21	Axcel 980 nm, 250 mW

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

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	250 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 ($T_c = 25^\circ\text{C}$, $P = 250 \text{ mW}$)

CHARACTERISTIC	SYMBOL	MIN	TYP.	MAX
Lasing Wavelength	λ_p	975 nm	980 nm	985 nm
Threshold Current	I_{th}	–	30 mA	50 mA
Operating Current	I_{op}	–	300 mA	340 mA
Operating Voltage	V_{op}	–	1.7 V	2.0 V
Beam Divergence (FWHM)	$\theta_{//}$	–	8°	10°
	θ_{\perp}	–	28°	30°
Slope Efficiency	η_s	0.8 mW/mA	0.9 mW/mA	–
Monitor Current	I_m	–	0.302 mA	–

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