

For current pricing, please see our website.

CHAPTERS

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SECTIONS

Laser Diodes

Pigtailed Diodes

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WDM Laser Sources

HeNe Lasers

Laser Diode Modules

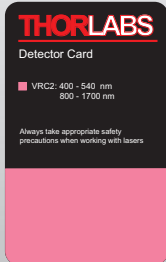
Tunable Lasers

Femtosecond Lasers

Optical Amplifiers

Have you seen our...

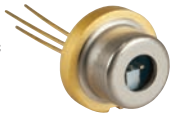
Laser Viewing Cards



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$\lambda = 852 \text{ nm}$, $P = 150 \text{ mW}$, Single Mode Axcel M9-852-0150

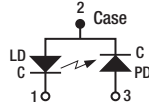
CAUTION: ELECTROSTATIC SENSITIVE



NEW product

Pin Description

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



PIN CODE A

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

ITEM #	£*	€*	RMB*
	1-5 PCS	1-5 PCS	1-5 PCS
M9-852-0150	£ 308.29	€ 372,51	¥ 3,412.52

*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
M9-852-0150	\$ 428.17	\$ 393.92	\$ 372.51	Axcel 852 nm, 150 mW

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

CHARACTERISTIC	SYMBOL	MIN	TYP	MAX
Lasing Wavelength	λ_p	847 nm	852 nm	857 nm
Threshold Current	I_{th}	-	20 mA	40 mA
Operating Current	I_{op}	-	170 mA	220 mA
Operating Voltage	V_{op}	-	1.9 V	2.2 V
Beam Divergence (FWHM)	$\theta_{//}$	-	8°	10°
	θ_{\perp}	-	18°	23°
Slope Efficiency	η_s	0.9 mW/mA	1.0 mW/mA	-
Monitor Current	I_m	-	0.110 mA	-

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

$\lambda = 904 \text{ nm}$, $P = 10 \text{ mW}$, Single Mode Thorlabs L904P010

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

CHARACTERISTIC	SYMBOL	MAX RATING
Optical Output Power (CW)	P_o	10 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 ($T_c = 25^\circ\text{C}$, $P = 10 \text{ mW}$)

CHARACTERISTIC	SYMBOL	MIN	TYP	MAX
Lasing Wavelength	λ_p	890 nm	904 nm	920 nm
Threshold Current	I_{th}	10 mA	25 mA	40 mA
Operating Current	I_{op}	25 mA	50 mA	70 mA
Operating Voltage	V_{op}	1.8	2.0 V	2.5 V
Beam Divergence (FWHM)	$\theta_{//}$	8°	10°	12°
	θ_{\perp}	25°	30°	40°
Slope Efficiency	η_s	0.3 mW/mA	0.5 mW/mA	0.7 mW/mA
Monitor Current	I_m	0.05 mA	0.3 mA	1.0 mA

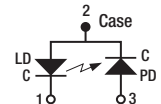
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CAUTION: ELECTROSTATIC SENSITIVE



Pin Description

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



PIN CODE A

- Ø5.6 mm Package
- Index-Guided MQW Structure
- $1 \times 5 \mu\text{m}$ Emitter Size
- $11 \mu\text{m}$ (Typical) Astigmatism

ITEM #	£*	€*	RMB*
	1-5 PCS	1-5 PCS	1-5 PCS
L904P010	£ 18.00	€ 21,75	¥ 199.25

*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
L904P010	\$ 25.00	\$ 24.25	\$ 23.75	Thorlabs 904 nm, 10 mW

$\lambda = 904 \text{ nm}$, $P = 30 \text{ mW}$, Single Mode Thorlabs L904P030

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

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

CHARACTERISTIC	SYMBOL	MIN	TYP	MAX
Lasing Wavelength	λ_p	890 nm	904 nm	920 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	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	0.05 mA	0.3 mA	1.0 mA

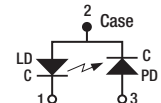
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- Ø5.6 mm Package
- Index-Guided MQW Structure
- $1 \times 5 \mu\text{m}$ Emitter Size
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ITEM #	£*	€*	RMB*
	1-5 PCS	1-5 PCS	1-5 PCS
L904P030	£ 59.76	€ 72,21	¥ 661.51

*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
L904P030	\$ 83.00	\$ 79.68	\$ 77.19	Thorlabs 904 nm, 30 mW