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Data Sheet

August 13, 2026

ILX LIGHTWAVE

ILX Lightwave LDM-4984 High Power Laser Mount

Manufacturer: ILX Lightwave (Newport / MKS) Instrument Type: 14-pin butterfly laser diode mount Alias: LDM4984; LDM-4984T; LDM-4984-BTB; LDM-4984RF Case TEC connector: male 9-pin D-sub (package temperature control option) Instrument Type: 14-pin butterfly laser diode mount Alias: LDM4984; LDM-4984T; LDM-4984-BTB; LDM-4984RF Case TEC connector: male 9-pin D-sub (package temperature control option) Size base: 31.8 mm x 102 mm x 140 mm (1.25 × 4.0 x 5.5 in)



MODEL

**ILX Lightwave
LDM-4984**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

LDM-4984

LISTING

<https://aumictechlabs.com/products/lm-4984-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The ILX Lightwave LDM-4984 is a laser diode driver meticulously engineered for precision control and stability. This instrument delivers accurate current and temperature regulation, essential for optimizing the performance and longevity of laser diodes. Equipped with a suite of features, including adjustable current limits, modulation capabilities, and a clear, intuitive display, the LDM-4984 streamlines laser diode characterization, testing, and control processes. Its solid design and

advanced functionality make it an indispensable tool for researchers, engineers, and technicians working with laser diodes in diverse applications.

Features & description

From manufacturer datasheet

Features

- ZIF sockets and spring-loaded clamps for 14-pin butterfly packages
- User-configurable pin headers
- Standard ILX 9-pin D-sub laser and TEC connectors
- Grounded laser cover and wrist-strap ground receptacle
- Optional case TEC (T) and Bias-T (BTB / RF) versions
- Baseplate can be screwed to an optical table

LDM4984 Characteristics / Specifications

PARAMETER	VALUE
Model	LDM-4984
Manufacturer	ILX Lightwave (Newport / MKS)
Instrument Type	14-pin butterfly laser diode mount
Series	LDM-4980
Alias	LDM4984; LDM-4984T; LDM-4984-BTB; LDM-4984RF
Package type	14-pin butterfly
Maximum laser current	2.0 A
Base TE cooler	none (LDM-4984)
Base temperature sensor	none (LDM-4984)
Laser connector	female 9-pin D-sub
Internal TEC connector	male 9-pin D-sub
Case TEC connector	male 9-pin D-sub (package temperature control option)
Size base	31.8 mm x 102 mm x 140 mm (1.25 × 4.0 x 5.5 in)
Weight	1.4 lb (0.64 kg)
T option TE current	−6.0 to +6.0 A Toption TE voltage: −4.2 to +4.2 V Toption temperature range: −5 C to 85 C (typical case control; noncondensing when cold)
T option sensor	10 kohm NTC thermistor Toption Qmax: 14 W Toption dTmax: 70 C Toption Imax: 6.0 A Toption Vmax: 4.2 V Toption size: 39.4 mm x 140 mm x 140 mm (Newport LDM-4984T)
BTB modulation bandwidth	10 MHz to 800 MHz (at laser pin)
BTB RF impedance	50 ohm (LDM-4984 / LDM-4984-BTB)
RF option bandwidth	10 MHz to 2.5 GHz (LDM-4984RF internal Bias-T)
RF option impedance	50 ohm / 25 ohm (LDM-4984RF / LDM-4984-TRF)
RF connector	SMA
Hot plate connection	floating (LDM-4984)
T option width add	approximately 1.5 in width and 0.3 in height versus base

PARAMETER	VALUE
Bandwidth	10 MHz to 800 MHz (at laser pin)

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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T option sensor	10 kohm NTC thermistor Toption Qmax: 14 W Toption dTmax: 70 C Toption Imax: 6.0 A Toption Vmax: 4.2 V Toption size: 39.4 mm x 140 mm x 140 mm (Newport LDM-4984T)
BTB modulation bandwidth	10 MHz to 800 MHz (at laser pin)
BTB RF impedance	50 ohm (LDM-4984 / LDM-4984-BTB)
RF option bandwidth	10 MHz to 2.5 GHz (LDM-4984RF internal Bias-T)
RF option impedance	50 ohm / 25 ohm (LDM-4984RF / LDM-4984-TRF)
RF connector	SMA
Hot plate connection	floating (LDM-4984)
T option width add	approximately 1.5 in width and 0.3 in height versus base
Notes	
Specs from ILX Lightwave LDM-4980 Series User's Guide (70022505) and Newport LDM-4984 / LDM-4984T product	

pages. Confirm base LDM-4984 versus T (case TEC) versus BTB/RF (Bias-T) on the listing. Actual case-temperature range depends on ambient, environment, and laser dissipation.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.