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Data Sheet
August 7, 2026

JDSU

JDSU MTLG-B1C10 TUNBAL LASER

The JDSU MTLG-B1C10 is a tunable laser module designed for various optical applications. It offers precise wavelength control and stable output power.

MODEL JDSU MTLG-B1C10	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU MTLG-B1C10	LISTING https://aumictechlabs.com/products/mtlg-b1c10-2/

NIST-traceable cal · SAM registered · 30-day returns · NAICS 423690 · 811210 · 541380

This unit

The JDSU MTLG-B1C10 is a tunable laser module for DWDM system characterization, fiber testing, and optical component validation. Operating across the C-band (1527.60 to 1569.59 nm), it delivers precise wavelength control with ±2 GHz accuracy and stable output power from 7 to 13 dBm. The integral wavelength locker and automatic power control loop ensure reliable performance in lab and manufacturing environments.Technical Specifications Tuning Range: 191.0 to 196.25 THz (1527.60 to 1569.59 nm) Channel Spacing: 50 GHz Output Power: 7 to 13 dBm (>12 dBm maximum in C-band) Linewidth: <5 MHz (typical 50–100 MHz via self-homodyne measurement) Side Mode Suppression Ratio: 40 dB minimum Wavelength Accuracy: ±2 GHz (±0.016 nm) Short-term Stability (15 min): ±0.005 nm, ±0.005 dB Long-term Stability (24 hr): ±0.01 nm, ±0.03 dB Output Fiber: Polarization maintaining, FC/APC connector Warm-up Time: 1 hour Operating Temperature: 10 to 40°C Humidity: <80% RH, non-condensingKey Features Integral wavelength locker for passive frequency stabilization Automatic power control loop maintains consistent output across the tuning range Sub-0.1 dB typical power resolution Class 1M laser (IEC

60825-1) with CE and CSA/UL/IEC61010-1 compliance LXI Class C compatible platform architectureTypical Applications DWDM transmission system testing Optical amplifier characterization Single-wavelength and multi-channel fiber analysis Transmitter and receiver validation Tunable laser grid implementationCompatibility & Integration Controlled via the JDSU MAP-200 platform (e.g., MAP-230B mainframe) using local and automation interfaces. Dimensions: 4.06 × 13.26 × 37.03 cm; weight: 1.3 kg maximum.

Features & description

From manufacturer datasheet

Features

• Platform: MAP-200 cassette (mTLG-B1 family) • Tuning range: 191.0 to 196.25 THz (1527.60 to 1569.59 nm) C-band • Channel spacing: 50 GHz • Wavelength accuracy: ±2 GHz (±0.016 nm) • Wavelength stability (15 min): ±0.005 nm typical • Output power setting range: 7 to 13 dBm • Power stability (15 min): ±0.005 dB typical • Power resolution: <0.1 dB typical • Integral wavelength locker and APC loop • Connector: FC/APC (typical MTLG-B1C10) • Automation: MAP-200 LXI / IVI drivers

MTLGB1C10 Characteristics / Specifications

PARAMETER	VALUE
Model	MTLG-B1C10
Manufacturer	JDSU / VIAVI Solutions
Instrument Type	MAP-200 Tunable DBR Laser
Family	mTLG-B1
Alias	MTLG-B1C10; mTLG-B1 C-band single channel Optical C-band 1527.60–1569.59 nm; 50 GHz; 7–13 dBm; FC/APC Operational Notes Prefer VIAVI/JDSU MAP mTLG-B1 product literature. Requires MAP-200 chassis.
Platform	MAP-200 cassette (mTLG-B1 family)
Tuning range	191.0 to 196.25 THz (1527.60 to 1569.59 nm) C-band
Channel spacing	50 GHz
Wavelength accuracy	±2 GHz (±0.016 nm)
Wavelength stability (15 min)	±0.005 nm typical
Output power setting range	7 to 13 dBm
Power stability (15 min)	±0.005 dB typical
Power resolution	<0.1 dB typical
Connector	FC/APC (typical MTLG-B1C10)
Automation	MAP-200 LXI / IVI drivers
Wavelength stability	(15 min): ±0.005 nm typical - Output power setting range: 7 to 13 dBm - Power stability (15 min): ±0.005 dB typical - Power resolution: <0.1 dB typical - Integral wavelength locker and APC loop - Connector: FC/APC (typical MTLG-B1C10) - Automation: M
Power stability	(15 min): ±0.005 dB typical - Power resolution: <0.1 dB typical - Integral wavelength locker and APC loop - Connector: FC/APC (typical MTLG-B1C10) - Automation: MAP-200 LXI / IVI drivers

MTLGB1C10 Specifications

PARAMETER	VALUE
Applications	DWDM channelized stimulus; C-band component and system test on MAP-200; wavelength-on-demand lab/manufacturing.
Key Features	- Platform: MAP-200 cassette (mTLG-B1 family)
Technical Specifications	Model: MTLG-B1C10
Optical	C-band 1527.60–1569.59 nm; 50 GHz; 7–13 dBm; FC/APC
Operational Notes	Prefer VIAVI/JDSU MAP mTLG-B1 product literature. Requires MAP-200 chassis.

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

Specifications

PARAMETER	VALUE
Model	MTLG-B1C10
Manufacturer	JDSU / VIAVI Solutions
Instrument Type	MAP-200 Tunable DBR Laser
Family	mTLG-B1
Alias	MTLG-B1C10; mTLG-B1 C-band single channel

Optical
C-band 1527.60–1569.59 nm; 50 GHz; 7–13 dBm; FC/APC

Operational Notes
Prefer VIAVI/JDSU MAP mTLG-B1 product literature. Requires MAP-200 chassis.

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

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