

**Aumictech**

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Data Sheet

August 14, 2026

ANDO

Ando AQ8201-13B ECL Light Source Module

Ando Tunable Laser Sources. Resolution: 10 pm, Accuracy: ± 0.2 nm, Wavelength: dependent optical measurements.



MODEL

Ando AQ8201-13B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

AQ8201-13B

LISTING

<https://aumictechlabs.com/products/aq8201-13b-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ando AQ8201-13B is an external cavity laser (ECL) light source module designed for optical testing and measurement in telecommunications, fiber optics, and research applications. This tunable laser source delivers stable, accurate optical output across the C-band and L-band spectrum, functioning as a plug-in module within the Ando AQ8200 Series Optical Test and Measurement System. The module occupies a single slot and integrates into compatible mainframes to support DWDM-related component evaluation and characterization. Technical Specifications Wavelength range: 1500 nm to 1620 nm Wavelength setting resolution: 10 pm Wavelength accuracy: ± 0.2 nm Wavelength repeatability: ± 50 pm (typical) Wavelength setting time: 3 seconds (typical) Spectral linewidth (Coherence Control OFF): 5 MHz (typical) Spectral linewidth (Coherence Control ON): 100 MHz (typical) Optical output level: +6 dBm (typical) Optical power stability: ± 0.005 dB Laser type: ECL (External Cavity Laser) Laser classification: Class 3A per EN60825-1:1994+A11:1996 and 21CFR 1040.10 Fiber output: 9/125 μ m single-mode fiber, FC/APC connector Key Features High-resolution wavelength tuning across 1500–1620 nm with 10

pm steps Exceptional wavelength stability (± 0.005 dB power stability) Fast wavelength settling at 3 seconds typical Switchable coherence control for linewidth optimization Compact single-slot module form factor Typical Applications DWDM component testing and validation Optical fiber characterization Telecommunications system evaluation Wavelength-dependent optical measurements Compatibility & Integration The AQ8201-13B mounts in Ando AQ8201, AQ8202, and AQ8203 mainframes supporting 3 or 10 module configurations. LabVIEW driver support is available for system integration. Operating specifications are assured at 20–30 °C or 25 $\pm$ 3 °C; warm-up time of one hour is required before measurement.

Features & description

From manufacturer datasheet

Polarization Extinction Ratio Typical: 20 dB

SiblingCBand Module: AQ8201-13 1460 to 1580 nm Notes From Ando AQ8201 series ECL module specification table comparing AQ8201-13 and AQ8201-13B. Footnoted conditions 1/2/3/4/6/7/8 apply as on the OEM sheet.

AQ820113B Characteristics / Specifications

PARAMETER	VALUE
Model	AQ8201-13B
Function	ECL tunable light source module
Host Mainframe	AQ8201A AQ8201 series
Available Wavelength Range	1500 to 1620 nm
Wavelength Setting Resolution	10 pm
Wavelength Accuracy	within plus or minus 0.2 nm
Wavelength Repeatability Typical	plus or minus 50 pm
Wavelength Setting Time Typical	3 seconds
Spectral Linewidth NARROW Typical	5 MHz
Spectral Linewidth WIDE Typical	100 MHz
Optical Output 1500 to 1620 nm Typical	plus 5 dBm
Optical Output 1530 to 1620 nm Typical	plus 7 dBm
Optical Output 1560 to 1620 nm Typical	plus 9 dBm
SMSR	45 dB or more
Output Level Stability 15 minutes	within plus or minus 0.005 dB
Output Level Stability 1 hour	within plus or minus 0.01 dB
Wavelength Stability 15 minutes	within plus or minus 0.005 nm
Wavelength Stability 24 hours Typical	plus or minus 0.01 nm
Optical Attenuation Range	10 dB in 0.01 dB steps
RIN Typical	minus 145 dB/Hz
External Modulation	100 Hz to 300 kHz sine wave
Polarization Extinction Ratio Typical	20 dB
SiblingCBand Module	AQ8201-13 1460 to 1580 nm
Wavelength range	1500 to 1620 nm
Wavelength repeatability	Typical: plus or minus 50 pm

PARAMETER	VALUE
Wavelength stability	15 minutes: within plus or minus 0.005 nm
Linewidth	NARROW Typical: 5 MHz
Attenuation	Range: 10 dB in 0.01 dB steps
Polarization extinction ratio	Typical: 20 dB

AQ820113B Specifications

PARAMETER	VALUE
Applications	WDM device and EDFA evaluation requiring a tunable ECL in the AQ8201 mainframe, including L band source stimulus.
Key Features	ECL module for AQ8201A ten module frames
NARROW/WIDE linewidth modes	10 dB internal attenuation in 0.01 dB steps
Technical Specifications	Model: AQ8201-13B

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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SiblingCBand Module	AQ8201-13 1460 to 1580 nm
Notes	
From Ando AQ8201 series ECL module specification table comparing AQ8201-13 and AQ8201-13B. Footnoted conditions 1/2/3/4/6/7/8 apply as on the OEM sheet.	

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.